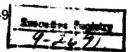
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FEDERAL CIVIL DEFENSE ADMINISTRATION



NATIONAL HEADQUARTERS
BATTLE CREEK, MICHIGAN

OFFICE OF THE ADMINISTRATOR

APR 1 6 1957

Honorable Allen W. Dulles Director of Central Intelligence Washington 25, D. C.

Dear Mr. Dulles:

Enclosed is a copy of our Annual Report for 1956. In conformity with most other Government operations, this Report is for the fiscal year. Previous reports have been on a calendar year basis.

I am grateful for the increased interest and participation of Federal Departments and Agencies in civil defense.

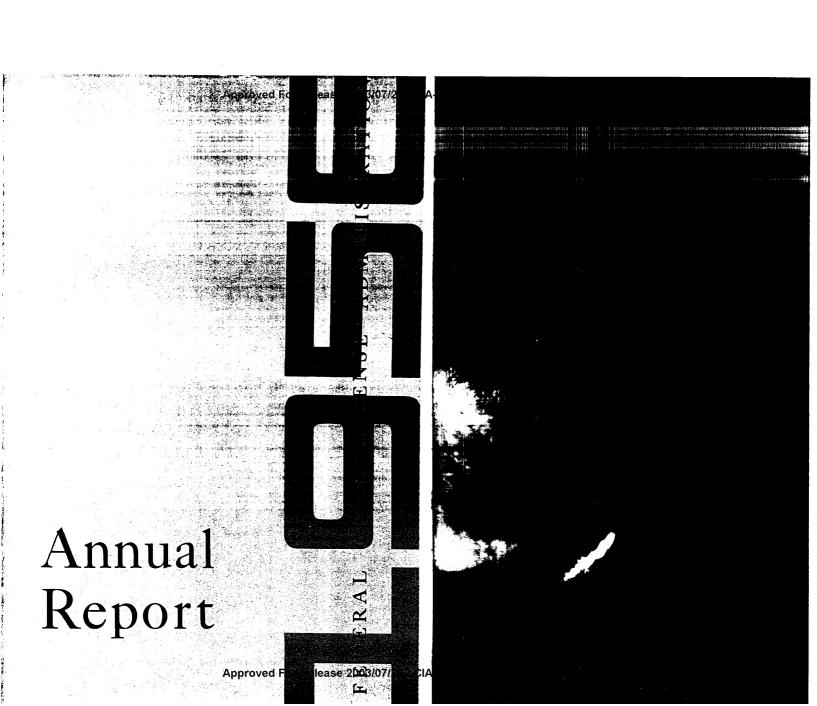
Sincerely,

Val Peterso

Enclosure

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Annual Report for Fiscal Year 1956



FEDERAL CIVIL DEFENSE ADMINISTRATION

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LETTER OF TRANSMITTAL

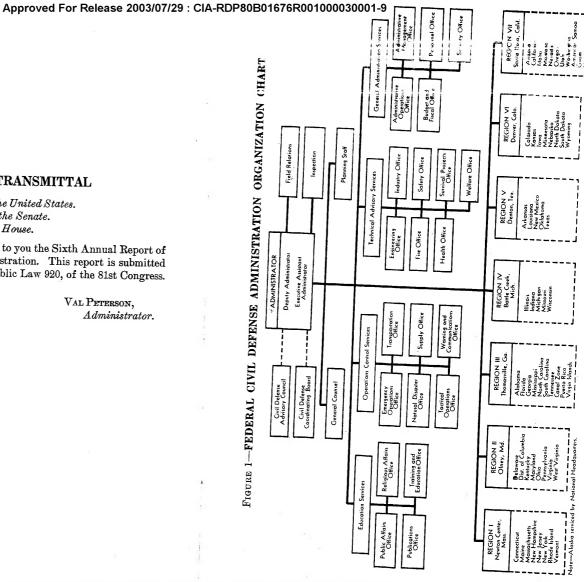
The Honorable, The President of the United States. The Honorable, The President of the Senate. The Honorable, The Speaker of the House.

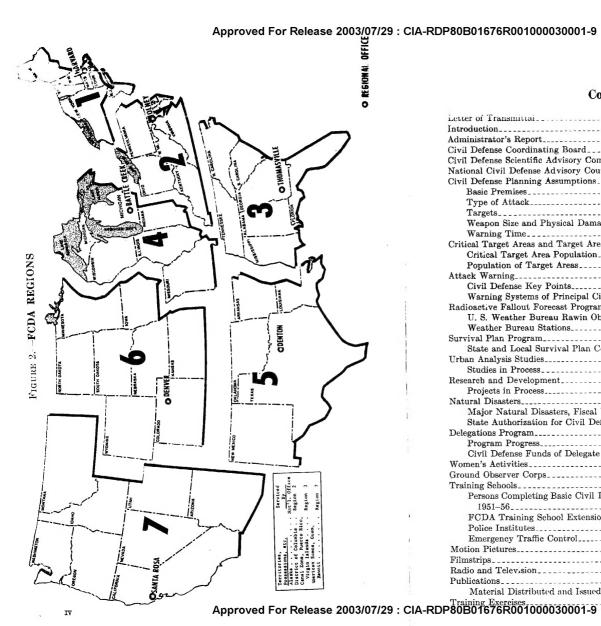
I have the honor of transmitting to you the Sixth Annual Report of the Federal Civil Defense Administration. This report is submitted in conformity with section 406, Public Law 920, of the 81st Congress.

Respectfully,

VAL PETERSON, Administrator.

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INTRODUCTION

The Federal Civil Defense Administration was created by the Federal Civil Defense Act of 1950, Public Law 920, passed January 12, 1951, by the 81st Congress.

 ${\bf Principal\ responsibilities\ of\ the\ Administrator\ under\ this\ Act\ are\ to:}$

a. Prepare national civil defense plans and programs.

- b. Delegate appropriate civil defense responsibilities to other Federal agencies.
 - c. Provide for necessary communications and warning systems.
 - d. Develop civil defense measures to protect life and property.
- e. Train people in civil defense organization, operations, and techniques.
 - f. Disseminate appropriate civil defense information to the public.
- g. Encourage the States to enter into interstate civil defense compacts.
- h. Procure civil defense materials and facilities.
- i. Make available Federal funds to the States, on a matching basis, for civil defense programs approved by the Administrator.

This annual report shows in summary form the progress made in several aspects of civil defense and particularly in the programs carried on directly by FCDA.

ADMINISTRATOR'S REPORT

Fiscal year 1956 was a year of considerable progress for the Federal Civil Defense Administration. Reports on the accomplishments and progress of our various services and in our many fields of activity are detailed in the body of this annual report and I will make no attempt to summarize them in this brief foreword.

Rather, I prefer to devote this space to a discussion of a different kind of development and progress, and a look into our needs of the future.

It was clear at the close of fiscal year 1956 that civil defense had won greater acceptance. Americans appeared to have recognized that civil defense has become a permanent part of our way of life. Even more important, there appeared to be agreement that it was necessary to improve civil defense, as an indispensable and urgently needed defensive weapon in the event this Nation should ever be attacked, and as a force, which if known to be capable of fulfilling its assigned task, would deter a potential aggressor from risking an attack.

Development of new and more destructive weapons was accompanied by recognition of the need for an updating—a modernization—of the Federal Civil Defense Law which was written before the advent of the hydrogen bomb, and before the intercontinental ballistic missile loomed on the horizon.

In the letter which President Eisenhower addressed to me on July 17, 1956, the President pointed out that our whole civil defense effort needs "both strengthening and modernizing." He added: "It is evident that the exigencies of the present threat require vesting in the Federal Government a larger responsibility in our national plan of civil defense."

The President made specific recommendations in connection with revision of the Federal Civil Defense Law. He declared: "Plans to meet postattack situations are, of course, essential, but the Federal Civil Defense Administration needs authority to carry out necessary preattack preparations as well. It must be enabled to assure adequate participation in the civil defense program. It must be empowered to work out logical plans for possible target areas which overlap State and municipal boundaries. It must have an organization capable of discharging these increased responsibilities. Moreover, the prestige and effectiveness of the Federal Civil Defense Administration must be equal to the heavy responsibility it holds."

We in FCDA are giving continuing study to ways and means of accomplishing this modernization of civil defense law to make possible the strengthening of civil defense organizations on all levels.

It is important however, that we avoid Federal preemption of all civil defense programs which are dependent upon widespread civilian participation. The Federal Government cannot give the Nation civil defense. As President Eisenhower has pointed out, should an emergency occur, our Nation's survival may be dependent upon the way each of us responds to his duty. In an area attacked, survival will initially rest mainly with the individual and the community.

That is why, in all our planning, we stress a partnership between the Federal Government, States, cities, and towns. During fiscal year 1956, FCDA developed closer cooperation with the States than ever before. Each program, each new decision affecting major policy, was discussed in advance with State civil defense directors. We look forward to an intensification of this program next year.

The basic concept of civil defense remained unchanged during fiscal year 1956. Our concept—as it has been since the recognition of the fallout danger—is a balanced program of evacuation and shelter. Changing conditions may dictate from time to time that greater stress be placed on one or the other of these defense methods. However, neither by itself can be advanced as a complete solution. The

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Development of new and more destructive weapons was accompanied

verecognition of the need for an updating—a modernization—of the saving lives.

CIVIL DEFENSE COORDINATING BOARD

The Civil Defense Coordinating Board was established by Executive Order 10611 on May 11, 1955.

The Board is composed of the Administrator of FCDA, who is the Chairman of the Board, and 17 other members.

The functions of the Board are:

- a. To assist in the development of a plan for the participation of all Federal departments and agencies in the civil defense of the Nation.
- b. To recommend to the President specific arrangements for civil defense responsibilities to be assumed by various Government departments and agencies.
- c. To facilitate such arrangements with the Department of Defense and the Office of Defense Mobilization.
 - d. To advise the President of the progress of the plan.

The first special meeting of the Board was held in Washington, on August 2, 1955. Members of delegate agencies discussed allocation of \$1,500,000 appropriated by Congress to FCDA for distribution to the delegate agencies.

The third regular meeting was held in Washington, on September 12, 1955. Civil defense progress, deficiencies, and recommendations for the future were discussed. The fourth, fifth, and sixth regular meetings were held on October 11, November 10, and December 20, 1955. Agency opinions were discussed and an agreement reached on FCDA's initial proposals of the Agency legislative program to be submitted to the Cabinet. Other subjects discussed were integration of civil defense into all departments and agencies of the Federal Government, Operation Alert 1956, and FCDA survival studies.

On March 27, 1956, Board members met in Battle Creek, Mich., for an all-day briefing and discussion of the civil defense program. On May 22, 1956, a meeting was held in Washington to discuss plans for Operation Alert, to review a paper proposing a Federal financial policy for emergencies and a paper establishing a tentative timetable for civil defense planning.

CIVIL DEFENSE SCIENTIFIC ADVISORY COMMITTEE

The Civil Defense Scientific Advisory Committee, composed of leading scientists in a variety of fields, was formed by the National Academy of Sciences at the request of FCDA. The members of the committee serve without pay, and the committee advises the agency

on technical and scientific problems. During fiscal year 1956, the travel and administrative expenses incurred by the committee were financed through research funds.

Dr. Merle Tuve, physicist, Department of Terrestrial Magnetism, Carnegie Institution, Washington, D. C., is chairman of the committee. Other members of the committee are:

Mr. Willard Bascom, technical director, research engineer on leave from the University of California.

Mr. Gerhard D. Bleicken, attorney, John Hancock Mutual Life Insurance Co.

Dr. Herbert M. Bosch, sanitary engineer, professor, University of

Dean David Cavers, attorney, associate dean, Harvard University Law School.

Dr. Eugene P. Cronkite, physician and hematologist, Brookhaven National Laboratory.

Dr. Richard M. Emberson, physicist, Associated Universities, Inc. Mr. E. H. Holmes, highway engineer, United States Bureau of Public Roads.

Dr. Rensis Likert, sociologist, director of the Institute for Social Research, University of Michigan.

Dr. R. B. Roberts, physicist, Department of Terrestrial Magnetism, Carnegie Institution, Washington, D. C.

Dr. Herbert Scoville, Jr., physicist, Armed Forces Special Weapons Project, Department of Defense.

Dr. Lauriston S. Taylor, physicist, chief, Division of Atomic and Radiation Physics, National Bureau of Standards.

Meetings were held on July 15 and December 20, 1955, at the Dupont Circle Building, Washington, D. C. In addition there were numerous meetings of panels of the committee established to consider specific questions.

Committee recommendations are communicated to the FCDA in written reports, in memoranda from the chairman or technical director, and in oral briefings by the technical director.

During fiscal year 1956 the following reports were made by the committee:

Recommended Research Program for Civil Defense. July. Revision of Proposed Evacuation-Shelter Policy. November. Report on Civil Defense in Arlington Public Schools. September. Report on Operation Green Light, Portland, Oreg. September. Report on Washington, D. C., Warning System. October. Legal Measures to Provide a Civil Defense in West Germany,

April.

Federal Civil Defense Legislation. April.

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NATIONAL CIVIL DEFENSE ADVISORY COUNCIL

During 1956, 3 new members were appointed to the 12-member National Civil Defense Advisory Council replacing members whose terms had expired, and 4 were reappointed.

At the close of the year the following were members:

Hon. Arthur B. Langlie, Governor of Washington

Hon. Goodwin J. Knight, Governor of California (new member)

Hon. Allen B. Shivers, Governor of Texas (new member)

Hon. John B. Hynes, Mayor of Boston (new member)

Hon. Albert E. Cobo, Mayor of Detroit (reappointed)

Hon. Clifford E. Rishell, Mayor of Oakland, Calif. (reappointed)

Mrs. Katherine G. Howard, Boston, Mass. (reappointed)

Mrs. Charles W. Weis, Jr., Rochester, N. Y. (reappointed)

Gordon Dean, former Chairman of the Atomic Energy Commission

Gen. Otto L. Nelson, Vice President of New York Life Insurance

Hon. Okey L. Patteson, former Governor of West Virginia George J. Richardson, Secretary-Treasurer, International Association of Fire Fighters, American Federation of Labor

During fiscal year 1956, the Council met twice. Meetings were held at Omaha, Nebr., headquarters of the Strategic Air Command and at Battle Creek, Mich., FCDA Headquarters.

At the Omaha meeting the Council discussed the FCDA survival plan program, and a paper prepared for the President by FCDA concerning civil defense deficiencies and recommendations for the future. Strategic Air Command personnel presented a classified briefing for the Council.

At the Battle Creek meeting the Council discussed the congressional hearings on civil defense conducted by the subcommittee (Holifield Committee) of the House Committee on Government Operations; new developments in civil defense; and the new civil defense programscontinuity of State and local government and reduction of urban vulnerability. Members of the FCDA planning staff gave classified briefings on strategic warning, the threat this Nation faces, and the basic responsibilities FCDA would assume in an emergency.

CIVIL DEFENSE PLANNING ASSUMPTIONS

These planning assumptions are effective as of September 4, 1956. They will be amended or, if necessary, replaced by new assumptions whenever changes of sufficient magnitude clearly indicate that this issuance is inadequate.

phases of modern war. These start with the present period when jet aircraft have not fully replaced conventional propeller-driven aircraft, continue through the time when jet bombers may become sonic or slightly supersonic in speed, and anticipate the time when some intermediate-range ballistic missiles (IRBM) and intercontinental ballistic missiles (ICBM) may be available.

Since there is no evidence that any nation has yet overcome all of the scientific problems involved in either the IRBM or the ICBM, the major emphasis of these assumptions is on presently available means of delivery. The prime characteristic of this period is the possession by a potential enemy of the means of making nuclear weapons of megaton yield and of delivering them on distant targets by piloted aircraft. Improvements in both offensive and defensive capabilities are virtually certain. However, the strategy and tactics of civil defense are not likely to require major change from those currently being developed until some new technological breakthrough is achieved.

Planning assumptions are sometimes misunderstood. Frequently they are taken for predictions. Planning assumptions are in no sense predictions. Nor are they based on uncontrovertible facts that lead to only one conclusion. Planning assumptions are created by a need for broad estimates in areas where one is bound to be unsure. Civil defense needs to have a common base for planning in several different areas. Consequently, FCDA carefully canvasses available intelligence and available information and then establishes assumptions consistent with such estimates.

These assumptions give a basis on which Federal, State, and local civil defense authorities can develop plans and can set priorities of action. It is expected that each agency with civil defense responsibilities will review its plans in the light of these assumptions.

Basic Premises

- A. It is accepted that a potential enemy has the capability of attacking any target within the United States or its possessions.
- B. It is accepted that a potential enemy has the capability of:
 - 1. Producing nuclear weapons, biological and chemical warfare agents, as well as conventional incendiary and high explosive weapons.
 - 2. Delivering these weapons by piloted aircraft, submarine launched missiles or mines, and by claudestine means.
 - 3. Supporting a large scale was effort by technical and industrial skills and organizations.

C. It is accepted that a potential enemy is engaged in a major effort to develop both guided and ballistic missiles, including the ICBM.

Type of Attack

- A. It is assumed that the greatest weight of attack will be nuclear since the capability of a potential enemy may reach, in the next few years, a size which it could consider as exceeding the destructive tonnage necessary to win a war.
- B. It is assumed that, if the United States is attacked, the major effort will consist of delivering nuclear weapons upon bases of military retaliation and centers of population and industry.
 - 1. It is assumed that, until the intercontinental ballistic missile is available to an aggressor, principal reliance will be placed upon delivery by manned bombers, with higher speed and performance jet bombers tending to replace propeller-driven bombers.
 - 2. It is further assumed that, even when the intercontinental ballistic missile is available, a considerable weight of attack will continue to require delivery by manned aircraft.
 - 3. It is assumed that the time is distant when any nation will possess enough very long-range missiles to make possible the instant destruction of another nation.
- C. It is assumed that nuclear weapons will also be delivered by missiles or mines from submarines or surface vessels or by clandestine means, on a scale considerably less than that of the air attack. Their use independent of an air attack is not considered likely. Danger from naval attack decreases with distance from the coast.
- D. It is assumed that surface bursts will generally be employed since radioactive fallout from such bursts can increase casualties and interfere with military or civilian activity for days or weeks.
- E. It is assumed that, although nuclear weapons will be relied upon as the means of gaining the military decision, chemical warfare and biological warfare agents will be used against humans. Use of these weapons will be to increase confusion and impede defensive actions. The chances of use of such weapons are greater in subsequent attacks than in the initial blow. In any case, the threat is minor as compared with that of nuclear weapons.
- F. It is assumed that biological warfare agents will be employed against animals and crops, especially if long-term recuperative power gives indications of being a decisive factor. Use of this weapon on any large scale is unlikely in the initial blow.
- (1. It is assumed that psychological warfare and all out propaganda efforts will accompany any attack in order to magnify and distort the real situation, to disrupt defense programs, impair essential

II. It is assumed that, in addition to claudestine introduction of nuclear weapons, sabotage will be employed, involving conventional means as well as biological and chemical weapons.

I. It is assumed that the enemy's initial attack will be an attempted knockout blow, placing primary reliance on nuclear weapons delivered by air. It is assumed that there will be subsequent attacks of varying intensity, employing in addition other weapons and means of delivery.

Targets

- A. It is assumed that bases of military retaliation, other important military installations, and concentrations of population and industry will be targets for nuclear attack.
- B. It is assumed that an aggressor will select targets from the following categories with priorities determined by its objectives at any particular time:
 - 1. Critical Target Areas as defined in "Target Areas for Civil Defense Purposes."
 - 2. Civil and military airfields with hardsurfaced runways of 7,000 feet or more, with major servicing and maintenance facilities.
 - 3. Major harbors, ports, and naval bases.
 - 4. AEC facilities.
 - 5. Major military command and control headquarters, such as the Pentagon, Continental Army Command, Naval Sea Frontiers, Strategic Air Command, Continental Air Command, and Tactical Air Command.
 - 6. Target Areas other than CTA's as defined in "Target Areas for Civil Defense Purposes," including all State capitals.
 - Army and Marine Corps posts and stations housing divisions of the General Reserve and Fleet Marine Force.
 - 8. Major military service supply depots.

In many cases, a number of the above military and civilian categories will be found close together. For example, New York City meets the criteria of at least the following categories: (a) Critical Target Area; (b) Major port; (c) Naval Base; (d) Airfields with hardsurfaced runways in excess of 7.000 feet.

C. It is assumed that an aggressor may frequently choose to direct attack at any one, several, or all aiming points within a target area. Some targets contain only one probable aiming point. Most, however, either because they are large in area or because they are composed of a variety of military and civilian targets, contain a number of aiming points.

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D. It is assumed that all possible targets will not be attacked either in the initial blow or subsequently. The number of targets to be attacked or the pattern of attack cannot reasonably be predicted at any specific date.

Weapon Size and Physical Damage

A. It is assumed that a potential enemy can produce nuclear weapons of varying yields ranging from few kilotons (thousands of tons) to megatons (millions of tons) of TNT equivalent.

B. It is assumed that a potential enemy's stockpile of nuclear weapons is growing and that the number of megaton yield weapons will, in the course of time, become large enough to permit employment of such weapons on progressively larger numbers of targets.

C. It is assumed that, for the development of civil defense plans for (a) evacuation and reception; (b) relocation or dispersal; (c) shelter requirements and criteria, the nuclear weapons used will cause complete destruction (A-Zone) within a radius of 2 miles as a minimum, 5 miles as a maximum.

D. It is assumed that bombing errors will occur and that the aiming point and actual ground zero will seldom exactly coincide. It is assumed, however, that the area of complete destruction will generally be of sufficient size to include such an aiming point in cases where the attacking aircraft reaches its bomb release line.

E. It is assumed that any target hit by nuclear weapons will be substantially destroyed by the direct effects of blast, heat, and radiation. A number of targets will require more than one detonation because of (1) total area; (2) shape, particularly when one axis is considerably longer than another; (3) wide separation of rewarding aiming points.

F. It is assumed that radioactive fallout resulting from surface bursts of weapons, whether on or off target, will spread downwind over considerable areas. Fallout from a large-scale attack could affect any portion of the United States.

It is assumed that a potential enemy can produce a considerable variety of biological and chemical warfare agents and can deliver them on the United States. It is assumed, however, that large-scale delivery of such weapons will be less accurate and less damaging than the delivery of nuclear weapons by a similar number of carriers.

Warning Time

A. It is assumed that a civil defense alert of an initial mass attack by manned aircraft will be received on the Canadian border and Approved For Release 2003/07/29 CIA-RDP80B0467660090003000 Galf coasts from 1 to 3 hours before Approved For Release 2003/07/29 : CIA-RDP80B01676R001202030001-9 targets within these boundaries will be under attack. It is ex pected that intelligence on the probable time that attacking planes will take to reach specific targets will be available to civil defense through the Civil Air Defense Warning system.

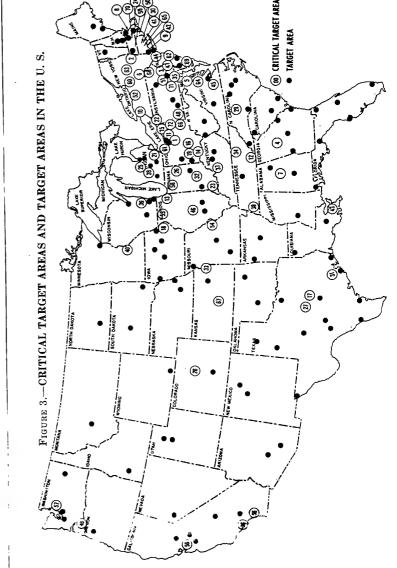
- B. It is assumed that interior targets will have 1 to 3 hours additional between the time a civil defense alert is received and the time when interior targets are under attack from manned aircraft.
- C. No definite assumptions can be made of the availability of strategic warning. However, plans should also include the contingency of a strategic warning, announced to the Nation by the President, before any direct attack on this country had been initiated. It might be measured in hours or even days, and would make possible more careful and detailed preparations for an actual alert. We can never be sure that there will be strategic warning. Emphasis should be placed on maximum utilization of tactical warning since the probability of such warning is much higher.

CRITICAL TARGET AREAS AND TARGET AREAS

The target areas and critical target areas listed in this report have been so designated on the basis of population and industry criteria. FCDA, in conjunction with other Federal agencies, is currently developing an expanded list of target and critical target areas which will incorporate certain military considerations as well as civil defense criteria. The new list, consonant with current planning assumptions, will be issued at a later date.

One hundred and eighty-seven areas in the continental United States have been designated target areas meeting the population and industry criteria. (In addition, eight areas in United States Territories and possessions have been so designated.) The 187 target areas include all standard metropolitan areas as defined by the Federal Committee on Standard Metropolitan Areas, and all State capitals not already included as standard metropolitan areas. Seventy-two of the 187 areas have been designated critical target areas. These are the standard metropolitan areas having 40,000 or more industrial employees as reported by the United States Department of Labor. Washington, D. C., because of its importance as the Nation's capital, is listed as a critical target area.

Locations of the 187 areas are shown on the following map (fig. 3). These are areas regarded for civil defense purposes as probable targets for nuclear attack since they contain major concentrations of population and industry.



The following changes in target area definitions were made within the past year as a result of action by the Federal Committee on Standard Metropolitan Areas:

1. The title of the Los Angeles area was changed to Los Angeles-Long Beach. This was simply a change in title, not in area covered.

2. The definition of the Evansville, Ind., area was amended to include Henderson County, Ky.

3. The definition of the Atlanta, Ga., area was amended to include Clayton County, Ga.

4. The West Palm Beach, Fla., standard metropolitan area was established and hence will be regarded as an additional target area.

Two areas formerly classified as target areas are now included in the list of critical target areas; namely, Greensboro-High Point, N. C., and Rockford, Ill. These were changed to critical target areas upon meeting the criteria of standard metropolitan areas having 40,000 or more industrial employees as reported in at least three consecutive issues of the "Bi-Monthly Summary of Labor Market Developments in Major Areas" published by the Department of Labor.

The latest census figures on population of most critical target areas are as of 1950. The United States Bureau of the Census has made estimates for four of the areas, however, as of January 1, 1956; namely, Houston, Milwaukee, St. Louis, and Washington, D. C. A total of the latest figures available indicates about 69,158,000 people in the 72 areas.

Each of these areas is a standard metropolitan area as defined by the Federal Committee on Standard Metropolitan Areas. Except in New England, each area is composed of a county or group of closely integrated contiguous counties, having at least one city of 50,000 inhabitants or more. In New England, towns and cities were the units used in defining standard metropolitan areas, with population density the principal criterion.

Since most critical target areas contain entire counties, they may have some rural as well as urban territory. The thickly settled urban core of each standard metropolitan area is referred to as its urbanized area.

Each critical target area has at least one central city of $50,\!000$ or more mhabitants. Some areas have two or more such cities. In the following table the largest city in each of the 72 critical target areas and all other cities of 90,000 or more in the areas are listed as "principal cities" with a comparison of each city's resident population with its day population. The 94 principal cities in the 72 CTA's bad a resident population of 41,345,000. Their combined day population was 48,508, population of 41,043,000. The resident population. In six cities (Som-000 or 18 percent larger than resident population. In six cities (Som-Approved For Release 2003/07/29 : CIA-RDP80B01676R001000030001-9

erville, Mass.; Long Beach, Berkeley, and Richmond, Calif.; Jersey City, N. J., and Yonkers, N. Y.) the day population is less than resident population as commuters go into the larger central cities in their daily employment. In several cities, population in the daytime increases 50 percent or more over resident population. The population

of Newark, N. J., more than doubles in the daytime.

Critical Target Area Population

		Population (1950 except where noted)						
fer- ice	Critical target area and principal	Critical	Urbanized	Principal city 2				
0	cities cities	target	area	Resident	Day	. 1		
					Number	Percent of resi- dent		
	Total	69, 158, 283	(4)	41, 345, 129	(4)	(4)		
1	Akron, Ohio	410, 032	366, 765	274, 605	314, 069	113		
2	Albany-Schenectady-Troy, N. Y	514, 490	291, 897					
	Albany			134, 995 91, 785	166, 975 108, 470	112- 111		
3	Allentown-Bethlehem-Easton, Pa. (N. J.)	437, 824	225, 962					
	AllentownAtlanta, Ga	694, 669	507, 887	106, 756	141, 150	13		
4	Atlanta	1		331, 314	416, 569	12		
5	Baltimore, Md Baltimore Binghamton, N. Y	1. 337. 373	1, 161, 852	949, 708	1, 071, 104	11		
6	Binghamton, N. Y Binghamton	184, 698	144,011	80, 674	96, 033	11		
7	Birmingham, Ala	558, 928	445, 314	326, 037	451, 892	13		
8	Boston Mass	2, 369, 986	2, 333, 448	801, 444	1 075 107	13		
	Boston Lynn			99, 738	1, 075, 107 117, 796	11		
	Cambridge			120,740	147, 884 90, 693	128		
9	Somerville Bridgeport, Conn	1 258 137	237, 435	102, 351		1		
Э	Bridgeport. Buffalo, N. Y	200, 201		158, 709	209, 282	13		
10	Buffalo, N. Y	1, 089, 230	798, 043	580, 132	717, 098	12		
	Niagara Falls			90, 872	100, 945	11		
11	Niagara Falls Canton, Ohio	283, 194	173, 917	116, 912	155, 724	13		
12	Canton Chattanooga, Tenn. (Ga.) Chattanooga	246, 453	167, 764		l	12		
	Chattanooga Chicago, Il. (Ind.)	5, 495, 364	4, 920, 816	131, 041	159, 660			
13	Chicago	1		3, 620, 962 133, 911	4, 251, 643 156, 425	11		
14	Gary, Ind. Cincinnati, Ohio (Ky.)	904, 402	813, 292			·is		
	Cincinnati.	. †	1, 383, 599	503, 998	620, 473			
15	Claveland	1 ' '		914, 808	1, 085, 830	1		
16	Columbus, Ohio	503, 410	437, 707	375, 901	422, 752	11		
17	Dallas, Tex Dallas Davenport, Iowa-Rock Island-	614, 799	538, 924	434, 462	497, 621	1		
18			194, 925		, 	. :		
	Davenport		346, 864	74, 549	112, 271			
19	Dayton	150 50 50	1	243,872	301,540	. 1		
20	Denver, Colo Denver.	563, 832	496, 748	415, 786	400, 020	`,````i		
21	Detroit, Mich	3,010, 197	4. 0.00, 398					
	Detroit Dearborn			, 540, 508 .1 94, 994				

See footnotes at end of table.

14

		Population (1950 except where noted)						
Iap fer-				Principal city 2				
nce To.1	Critical target area and principal cities	Critical target area	Urbanized area	Resident	Day 3			
					Number	Percent of resi- dent		
22	Erie, Pa	219, 388	151, 710					
23	Erie Evansville, Ind. (Ky.)	191, 137	6 137, 573	130, 803	155, 406	119		
24	Evansville. Fall River-New Bedford, Mass. (R. I.)			128, 636	141, 376	. 110		
	(R. I.) Fall River	274, 767	243, 615	111, 963	122, 666 120, 643	110		
25	Fall River New Bedford. Flint, Mich.	270, 963	197, 631	109, 189		110		
26	Flint. Fort Wayne, Ind.	183, 722	140, 314	163, 143	192, 204	118		
27	Fort Wayne, Ind. Fort Wayne Fort Worth, Tex	361, 253	315, 578	133, 607	151,042	113		
28	Fort Worth	288, 292	226, 817	278, 778	309, 781	111		
29	Grand Rapids. Greensboro-High Point, N. C.	191, 057	(4)	176, 515	208, 373	118		
30		358, 081	300, 786	74, 389	(4)	(1)		
	Hartford, Conn. Hartford, Houston, Tex. Houston	7 1, 077, 000	700, 508	177, 397	229, 099	129		
31	Houston.			7 711, 000	7 775, 100	109		
32	Indianapolis, Ind	551, 777	502, 375	427, 173	484, 222	113		
33	Indianapolis, ind. Indianapolis. Kansas City, Mo. (Kans.). Kansas City, Kans. Kansas City, Mo. Knoxville, Tenn. Longator Po.	814, 357	698, 350	129, 553 456, 622	140, 336	106		
34	Kansas City, Mo Knoxville, Tenn	337, 105	148, 166	l	529, 241	116		
35		234, 717	76, 280	124, 769	167, 696	134		
36	Los Angeles Long Beach Calif	4, 367, 911	3, 996, 946	63, 774	102, 690	161		
00	Los Angeles			1, 970, 358 95, 702	2, 590, 743 97, 779	13 105		
	Y and Danah			250, 767 104, 577	245, 714 122, 898	98		
37	Pasadena Louisville, Ky. (Ind.) Louisville	576, 900	472, 736					
38	Memphis, Tenn	482, 393	406, 034	369, 129	424, 718	114		
39	Memphis. Milwaukee, Wis. Milwaukee Minneapolis-St. Paul, Minn Minneapolis	7 975, 000	829, 495	396,000	436, 170	110		
40	Milwaukee Minneapolis-St. Paul, Minn	1, 116, 509	985, 101	⁷ 711, 000	7 772, 600	109		
				521, 718 311, 349	593, 477 346, 267	114 117		
41	New Britain-Bristol, Conn	146, 983	123, 079	73, 726	84, 643	118		
42	New Haven, Conn	264, 622	244, 836	164, 443	194, 114	118		
43	New Orleans, La New Orleans	685, 405	659, 768	570, 445	622, 288	109		
11	You Vark Northeast New Incom	12, 911, 994	12, 296, 117			104		
	New York City Elizabeth, N. J Jersey City, N. J Newark, N. J			7, 891, 957 112, 817	8, 201, 842 116, 145 295, 934	103		
	Newark, N. J.			299, 017 438, 776	884, 801			
	Vonkore V V			139, 336	161, 116	116		
45	Norfolk-Portsmouth-Newport News	594, 817	385, 111					
119	Va	250, 512	154, 539	213, 513	285, 666	134		
**	Peoris	0,011,048		111,856	146,758	18		
**	r hnadelphia, La. (N. J., Philadelphia Philadelphia Camdon N. J.	0, 011, 098	2, 222, 276	071 605 104 555	2 466 294 114 469	110		
48	Pirtsburgh, Pa	2, 213, 236	1, 532, 953	1.04 . 05	ावं कल्प			

See footnotes at end of table.

		Population (1950 except where noted)					
Map refer- ence				P	rincipal city	3	
No.1	Critical target area and principal cities	Critical target area	Urbanized area	Resident	Day 3		
					Number	Percent of resi- dent	
49	Portland, Oreg. (Wash.)	704, 829	512, 643	373, 628			
50	Providence, R. I. (Mass.)	737, 203	583, 346		468, 699	12	
51	Providence Reading, Pa	255, 740	154, 931	248, 674	371, 896	15	
52	Reading Rochester, N. Y.	487, 632	409, 149	109, 320	179, 112	16	
	Rochester.			332, 488	383, 325	11	
53	Rockford, Ill	152, 385	122, 226	92, 927	(4)	(4)	
54	St. Louis, Mo. (Ill.)	7 1, 892, 000	1, 400, 058	7 841, 000	7 1,002,200		
55	San Diego, Calif	556, 808	432, 974				
56	San Francisco-Oakland, Calif	2, 240, 767	2,022,078	334, 387	399, 198	11	
- 1	San Francisco Oakland			775, 357 384, 575	1, 012, 145	13 12	
į	Berkeley			113, 805	491, 670 102, 311	90	
57	Richmond Seattle, Wash Seattle	732, 992	621, 509	99, 545	89, 016	89	
58	South Bend Ind		168, 165	467, 591	550, 842	118	
59	South Bend Springfield-Holyoke, Mass. (Conn.).	,		115, 911	155, 610	13-	
	Springheld	407, 255	356, 908	162, 399	210, 085	12	
60	Syracuse, N. Y.	341, 719	265, 286	220, 583	258, 380	11	
61	Toledo, Ohio Toledo.	395, 551	364, 344				
62	Trenton, N. J.	229, 781	189, 321	303, 616	342, 057	11;	
63	Trenton Utica-Rome, N. Y	284, 262	117, 424	128,009	156, 953	123	
64	Utica	7 1, 884, 000	1, 287, 333	101, 531	130, 825	129	
	Washington, D. C. (MdVa.) Washington, D. C.			7 859, 000	980, 100	114	
65	Waterbury, Conn	154, 656	131, 707	104, 477	120, 685	116	
66	Wheeling, W. VaSteubenville, Ohio Wheeling	354, 092	106, 650	58.891	95, 532	162	
67	Wichita, Kans	222, 290	194, 047				
68	Wichita Wilkes-Barre-Hazleton, Pa	392, 241	271, 589	168, 279	182, 992	109	
69	Wilkes-Barre	268, 387	187, 359	76, 826	90, 358	120	
	Wilmington, Del. (N. J.). Wilmington			110, 356	146, 929	138	
70	Worcester, Mass Worcester.	276, 336	219, 330	203, 486	228, 125	112	
71	York, Pa. York	202, 737	78, 796	59, 953	94, 276	157	
72	Youngstown, Ohio (Pa.)	528, 498	298, 051				
1	Youngstown			168, 330	248, 598	148	

Refers to map entitled "Critical Target Areas and Target Areas in the U. S."

Includes the largest city in each of the 72 Critical Target Areas and all other cities of 90,000 population or more within the areas.

Notomal maximum day population as estimated by the U. S. Bureau of the Census.

Not available.

Does not include data for Clayton County, On.

Does not include data for Henderson County, Ky.

Estimates as of Jan. 1, 1966.

Source: U. S. Bureau of the Census-1950.

ANNUAL REPORT,

Target area	Population (1950)	Target area	Population (1950)
Total, 123 areas	18, 910, 205	Lowell, Mass. Lubbock, Tex.	133, 92 101, 04
ana City, Guam	1, 330		125 04
buquerque, N. Mex	145, 673	Madison, Wis	169, 35
toona, Pa	139, 514	Manchester, N. H	88, 37 87, 30
buquerque, N. Mex toona, Pa. narillo, Tex heville, N. C. lantic City, N. J. gusta, Ga. (S. C.) ngusta, Maine. stin, Tex.	87, 140	Madison, Ga. Madison, Wis. Manchester, N. H. Mayaguez, P. R. Miami, Fla.	495, 08
heville, N. C	124, 403 132, 399		
lantic City, N. J	162, 013	Monte, Ala. Montpelier, Vt. Muncie, Ind.	l 139`0
igusta, Ga. (S. C.)	83, 881	Montpelier, Vt	42,8
igusta, Mame	160, 980	Muncie, Ind	42, 8 90, 2 321, 7
istin, Tex- atton Rouge, La- ay City, Mich- caumont-Port Arthur, Tex-	150 000		
v City, Mich	88, 461 195, 083 25, 673	Ogden, Utah	83, 3 325, 3
aumont-Port Arthur, Tex	195, 083	Oklahoma City, Okla	44,8
	25, 673	Oracle Nobe (Town)	366, 3
oise, Idaho	10,049 1	Olympia, Wash Omaha, Nebr. (Iowa) Orlando, Fla	114.9
ockton, Massarson_City, Nev	129, 428 4, 172		
arson City, Nev	104, 274	Phoenix, Ariz. Pierre, S. Dak	331,7
harleston S C	164, 856	Pierre, S. Dak	8,1
harleston, W. Va	322, 072		
harlotte, N. C	197, 052	Ponce, P. R.	126, 8 119, 9
harlotte Amalie, V. I	11, 469	Portland, MainePueblo, Colo	
heyenne, Wyo	47, 662	Pacine Wis	109, 8
olumbia, S. C.	142, 585 170, 541	Raleigh N C	136, 4
olumbus, Ga. (Ala.)	63, 022	Racine, Wis	136, 4 328, 0
arson Cfty, Nev. dadar Rapids, Iowa narleston, S. C. narleston, W. Va. narlotte, N. C. narlotte, N. C. teyenne, W. Vo. olumbia, S. C. olumbia, S. C. olumbia, G. (Ala.). oncord, N. H. orpus Christi, Tex. ecstur III	165, 471		
ecatur, Ill	165, 471 98, 853	Sagramento Calif	277, 1
oc Maines Tows	226,010	Saginaw. Mich	100,0
	37, 870 71, 337	St. Joseph, Mo	101, 4
over, Del. uhuque, Iowa uluth, MinnSuperior, Wis urham, N. C 1 Paso, Tex. ort Smith Ark	71, 337	Salem, OregSalt Lake City, Utah	274.8
uluth, MinnSuperior, wis	252,777 101,639		
Deco Tor	194, 968	San Antonio, Tex	500, 4
ort Smith Ark	64, 202	San Antonio, Tex San Bernardino - Riverside - Ontario,	
ort Smith, Ark	25, 933	" Calif	931,0
resno, Califadsden, Ala	276, 515	San Jose, Calif.	250, 3 465, 7 38, 1 151, 4 257, 3 216, 6 103, 9
adsden, Ala	93, 892	San Juan-Rio Piedras, P. R Santa Fe, N. Mex	38 1
alveston, Tex	113,066		151.4
adsoen, Ala- aliveston, Tex- reen Bay, Wis- reenville, S, C [amilton-Middletown, Ohio	98, 314 168, 152 147, 203 292, 241 24, 540		257, 3
femulton Middletown Ohio	147, 203	Shrayanart La	216, 6
larrisburg, Pa	292, 241	Slour City, Iowa	103, 9
larisburg, Pa	24, 540	Slour City, Iows Slour Falls, S. Dak Spokane, Wash Springfield, Ill Springfield, Mo Springfield, Ohlo Stamford-Norwalk, Conn Stamford-Norwalk, Conn	991
onolulu, T. H.	353, 020	Spokane, Wash	221, 5 131, 4
funtington, W. VaAshland, K.y.	945 705	Springfield, Mo	104, 8
(Ohio)	245, 795 107, 925	Springfield, Ohio	111,6
ackson, Mich ackson, Miss acksonville, Fla	142, 164	Stamford-Norwalk, Conn	196,0
ackson, Miss.	304, 029	Stockton, Calif	200,
		Stockton, Calif	275,8
		Il Tallahassee, Fla.	-1 01,1
unagu Alaska	0.900	Tampa-St. Petersburg, Fla Terre Haute, Ind	105, 1
"alamazoo Mich			
Lenosna, Wis	172 041	Tueson Ariz	105, 141,
enosha, Wis ansing, Mich aredo, Tex	75, 238 172, 941 56, 141 125, 935	Tucson, Ariz. Tucson, Ariz. Tulsa, Okla. Waco, Tex. Waterioo, Iowa.	251,
awrence, Mass	125, 935	Waco, Tex	130,
exington, Ky.	100, 746	Waterloo, Iowa	100,4
exington, Kyima, Ohio	88, 183		
incoln, Nebr	119,742 196,685	Wichita Falls, Tex. Winston-Salem, N. C.	146.

¹ Critical target areas are not included.

ATTACK WARNING

Time required to disseminate an attack warning through the nationwide civil defense warning system was reduced to 8 minutes ouring uscal year 1956. When FCDA was assigned the civilian attack warning responsibility in 1952, it required about 20 minutes to notify Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9 Command. all key point centers of an alert.

Lest the reduction in time now required to disseminate warnings be misleading, it should be emphasized that FCDA responsibility extends only through the Federal warning system-down to key point warning centers. Action beyond those points is the responsibility of State and local governments.

In operating the Federal part of the warning network, FCDA works in close cooperation with the Air Force, which triggers alert warnings.

FCDA has assigned attack warning officers to control centers of each of the 16 Air Defense Divisions in the United States. The $\ensuremath{\mathsf{FCDA}}$ officers disseminate warnings over the Civil Air Defense Warning (CADW) network. This network consists of full-period, private, 2-way telephone circuits that connect the 16 civil defense warning centers with nearly 200 civil defense key point warning centers located strategically throughout the United States. FCDA pays the full communications costs of the system to the key points; and this is the only completely Federal portion of the warning system.

From the key points, the system fans out to more than 3,500 subkey point centers in the United States, located in such places as local police and fire stations. These, and the local centers that control the public attack warning devices, such as sirens, horns, and whistles, are the State and local part of the warning net.

FCDA provides matching funds for the purchase or installation of warning and communications equipment to the States and localities, but not the operating expenses. FCDA also provides technical and operational guidance in its various publications.

Communication facilities used by States for their warning systems include State police radio, teletype, telephone, and special systems such as bell-and-light (telephone), and tone generators (radio).

There are two public action signals: the "alert" signal, which may mean evacuation in certain areas and mobilization in others; and the "take cover" signal, which means that the public should take the best shelter available immediately.

Staffing to provide 24-hour coverage at FCDA warning centers by attack warning officers was about 85 percent complete at the end of the fiscal year.

In the last half of the fiscal year, a study was made of the effect of the new Air Force SAGE (Semi-Automatic Ground Environment) warning system on the civil air defense warning system. As a result, preliminary plans were made for relocation of FCDA warning centers, and tentative revisions outlined for attack warning procedures. To keep FCDA abreast of new developments in the SAGE system, an FCDA liaison officer was assigned to work with the SAGE staff at Lincoln Laboratories, Lexington, Mass., and with representatives

An FCDA National Warning Control System (NAWAC), completed in May 1956, will provide a medium for fast exchange of tactical information between FCDA National Headquarters and alternate headquarters, regional offices, and air defense warning centers. By providing warning control, NAWAC will increase materially the operational efficiency of the FCDA attack warning system.

Civil Defense Key Points

				-	
Map refer- ence No.1	State	City	Map refer- ence No. 1	State	City
	9th Air Di	vision		26th Air Division-	-Continued
1 2 3 4 5 6 7 8	Idaho	Boise. Coeur D'Alene. Pendleton. Colfax. Coulee. Pasco. Spokane. Wenatchee. Yakima.	13 14 15 16 17 18 19 20 21 22	New York	Albany. Binghamton. Hawthorne. Mineols. Newburgh. New York City. Schenectady. Troy. Allentown. Harrisburg. Lancaster.
1 2	20th Air D	East St. Louis. Peoria.	20 21 22 23 24 25 26 27 28	Rhode Island	Philadelphia. Reading. Scranton. Wilkes-Barre. Williamsport.
3 4 5 6 7 8	Iowa	Rock Island. Springfield. Cedar Rapids. Council Bluffs. Davenport. Des Moines.		27th Air D	rivision ::
8 9 10 11 12 13 14 15	Kansas Missouri	Sioux City. Waterloo. Topeka. Wichita. Jefferson City. Kansas City. St. Louis. Lincoln.	1 2 3 4 5 6 7	Arizona California	Kingman. Bakersfield. El Centro. Los Angeles. San Bernardino. San Diego. Santa Barbara.
17		Omaha.	_	28th Air L	Pivision
1 2 3 4 5	;	Eugene. Medford. Portland. Salem. The Dalles.	- 1 2 3 4 5 6	California	Fresno. Oakland. Redding. Sacramento. Salinas. Ukiah. Reno.
6 7 8 9	Washington	Everett. Olympia. Port Angeles. Renton.	ļ	29th Air I	Division
	geth Au L	Amsion .	1 3 3 4 5	South Dakota Wyoming	Bismarck. Fig. 1. Rapid City. Cheyenne.
1 2 3 4		Colchester Hartford Ridgefield.		39th Air 1	
5 7 8 9 10 11 12	New Jersey	Boston. Brockton. Northampton. Worcester.	(*)	Michigan pproved For	South Bond. BATTLE CREEK. Bay City. Detroit. Polasic: 2003/0

See footnotes at end of table.

Civil Defense Key Points-Continued

Map refer-ence No. 1 Map refer-City City State ence No. 35th Air Division 30th Air Division-Continued Paw Paw. Port Huron. Rockford. Buffalo. Nigarar Falls. Rochester. Cambridge. Birmingham. Gadsden. Mobile Mootgomery. Jacks nurille. Miami. Tallshassee. Tampa. Atlanta. Savannah. Baton Rouge. New Orleans. Jackson. Columbia. Birmingham. 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 Ohio Louisiana Mississippi South Carolina Pennsylvania 37th Air Division West Virginia. Illinois..... Chicago. Jeliet. Park Forest. Rockford. Crown Point. Marquette. Sault Ste. Marie Traverse City. Appleton. La Crosse. Malison. Milwauker. Stevens Point. Wausuu. 31st Air Division Brainerd. Duluth. Minneapolis. Rochester. St. Paul. Fargo Eau Claire. Superior. 9 10 11 12 13 14 Wisconsin North Dakota. Wisconsin... 32d Air Division 58th Air Dirision Urbana. Evansville. Indianapolis. Lufayette. Muncie. New Albanv. Terre Haute. Frankfort. Columbus. Dayton. Ironton. Arlington. Chattanooga. Knoxville. Nashville. Charleston. Clarksburg. Parkersburg. Augusta. Bangor. Houlton. Portland. Illinois Indiana. New Hampshire. New York. 8 9 10 11 12 13 14 15 16 17 18 Kentucky. 10 11 33d Air Division Arkansas . Louisiana . Okishoma Little Rock. Bessier City. Oklahoma C'ty Tulsa. Arlington. Austin. Boerne. Houston. West Virginia. 85th Air Division District of Columbia. Maryland.... WASHINGTON Baltimore, Hagerstown, Saltsbury Ruleigh Norfolk 34th Air Dui ion Arizon C. latada Nese Mexico Pho per Let. Suit i ke Ft Pas North Carelle Virginia , West Virginia...

1 Refers to map entitled "Oritical Target Areas and Target Areas in the U. S." O7/29: CIA-RDF80B01676R001000030001-9

Salt Lake City.

tan....

Warning Systems of Representational Fortres ease 2003/07/29: CIA-RDP80B01676R001000

The problem of adequate systems to warn city dwellers of an impending attack has been a major concern of civil defense from the inception of the program. States and cities have been encouraged to procure and install the necessary warning devices, with the Federal Government providing half of the funds under the Federal contributions program. Through June 30, 1956, a total of \$7,601,837 in Federal Funds had been obligated for the attack-warning programs of States and localities.

Of 261 principal cities in Target Areas and Critical Target Areas, 165 or 63 percent lad good outdoor warning systems as of June 30. The remaining cities had varying degrees of warning efficiency with the systems in 22 cities regarded as completely inadequate. The 261 cities include all cities of 50,000 in the United States, Territories, and possessions.

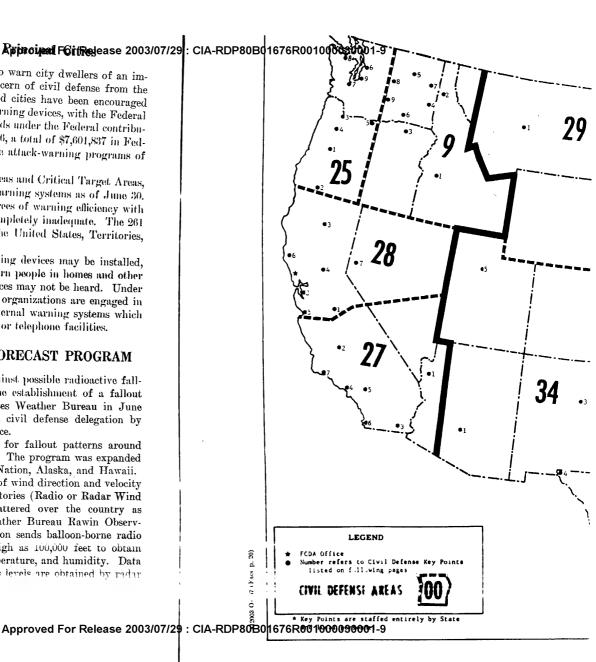
Although satisfactory outdoor warning devices may be installed, there is still the problem of how to warn people in homes and other buildings from which the outdoor devices may not be heard. Under contract with FCDA, certain research organizations are engaged in studying and developing successful internal warning systems which can utilize existing power distributing or telephone facilities.

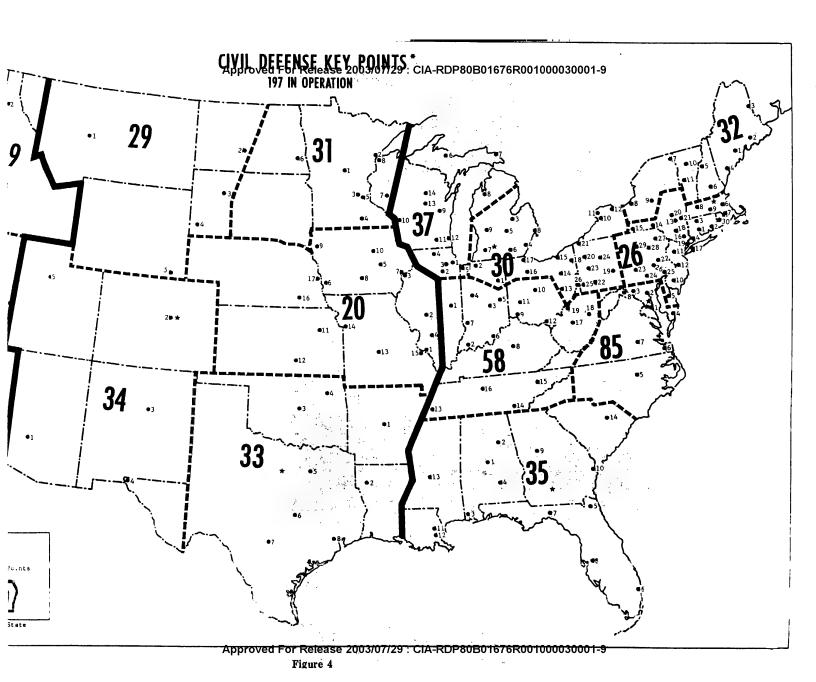
RADIOACTIVE FALLOUT FORECAST PROGRAM

The need for defensive measures against possible radioactive fallout from nuclear explosions led to the establishment of a fallout forecast program by the United States Weather Bureau in June 1955. The program resulted from a civil defense delegation by FCDA to the Department of Commerce.

The initial program provided data for fallout patterns around the Nation's 72 Critical Target Areas. The program was expanded in February 1956 to cover the entire Nation, Alaska, and Hawaii.

The system is based on observations of wind direction and velocity taken twice daily at 52 Rawin Observatories (Radio or Radar Wind Direction Finding Observatories) scattered over the country as shown on the list, United States Weather Bureau Rawin Observatories, and map (fig. 5). Each station sends balloon-borne radio transmitters, called rawinsondes, as high as 100,000 feet to obtain readings on atmospheric pressure, temperature, and humidity. Data on wind speed and direction at various levels are obtained by radar tracking of the balloons.





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The number of Rawin Observatories was scheduled to be increased from 52 to 68 for fallout forecast purposes on September 1, 1956. Arrangements also were in progress during the fiscal year for obtaining twice daily forecasts from eight locations in southern Canada.

U. S. Weather Bureau Rawin Observatories

Region and State	City	Call letters	Region and State	City	Call letters
Region 1 Maine	Caribou. Portland. Albany Buffalo. New York. Washington. Dayton. Philadelphia. Pittsburgh. Norfolk. Montgomery. Tamps. Athens. Charleston. Charleston. Nashville.	WBC FFO PHL PIT NGU GUN TPA AHN GSP CHS	Region 5—Con. New Mexico. Oklahoma. Texas Region 6 Colorado. Kansas. Minnesota. Nobraska. North Dakota. South Dakota. Wyoning. Region 7	Albuquerque. Oklahoma City Big Spring. El Paso. Fort Worth. San Autonio. Denver. Topeke City. Topeke City. Topeke Sity. Bit Cloud. Omaha. Bismarek. Rapid City. Lander.	INL STC OFF BIS RAP
Tennessee. Region 4 Illinois. Michigan. Missouri Wisconsin. Region 5 Arkansas. Louisiana.	Chicago	MDW MTC SSM CBI GRB	Arizona California Idaho Montana Nevada Oregon Utah Washington	Las Vegas Medford Salem Salt Lake City	BOI BOI GTF LAS MFR SLE HIF NEJ

Source: U. S. Weather Bureau.

The twice daily reports from the Rawin Observatories are transmitted over the United States Government Teletype Service "C" to the 222 Weather Bureau offices listed. Civil Defense officials in any locality can obtain readings by calling the Weather Bureau Office in the respective area and, with the technical instructions available, can construct fallout plots for any specified area.

FCDA has advised State and local civil defense offices to obtain the twice daily coded messages covering the area within 500 miles of their respective borders-within 1,000 miles in the winter-and to develop the ability to decode these messages and construct fallout plots. With training, a complete plot can be constructed in less than 5 minutes.

ANNUAL REPORT,

REGION AND STATE Region 4 -Continued Indiana: Colorado: Evansville Denver Fort Wayne Indianapolis Pueblo South Bend Burlington Des Moines Michigan: Alpena Battle Creek Dubuque Sioux City Waterloo Detroit Escanaba Kansas: Concordia Flint Grand Rapids Dodge City Lansing Marquette Goodland Sault Ste. Marie Wichita Minnesota: Missouri: Columbia Duluth Kansas City Springfield Minneapolis St. Louis Rochester St. Cloud Wisconsin: Green Bay LaCrosse Nebraska: Grand Island Lincoln Madison Norfolk North Platte Omaha Region 5 Scottsbluff Arkansas: **Valent**ine Fort Smith Little Rock North Dakota

Louisiana: Baton Rouge Burrwood Lake Charles New Orleans

Shreveport New Mexico: Albuquerque Roswell Oklahoma:

Oklahoma City Tulsa Texas:

Abilene Amarillo Austin Brownsville Corpus Christi Dallas Del Rio Denton

Fort Worth Houston Laredo Lubbock Midlend Port Arthur San Alberi San Antonio Victoria

Wichita Falls

REGION AND STATE

Region 6 Grand Junction

International Falls

Bismarck Fargo Williston South Dakota: Rapid City Sioux Falls Wyoming: Cheyenne

Lander

Sheridan

Region 7

Arizona: Phoenix Prescott Tueson Winstow Yuma California: Bakersfield Burbank Eureka Los Angeles Oakland L'Williamie Red Bluff San Diego

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Approved For Release 2003/07/29 : CIA-RDP80B01676R001000030001-FINSE ADMINISTRATION

REGION AND STATE REGION AND STATE Region 7-Continued Region 7-Continued Idaho: Oregon: Roise Astoria Lewiston Eugene Medford Pocatello Montana : Billings Pendleton Glasgow Great Falls Roseburg Salem Havre Salt Lake City Missoula Washington: Nevada: Olympia Elko Ely Las Vegas Spokane Walla Walla Reno Yakima Winnemucca

SURVIVAL PLAN PROGRAM

Twenty-six contracts for developing State and local civil defense operational plans for survival from enemy attack were signed during fiscal year 1956. The contracts covered Critical Target and support areas representing 71.6 percent of the population of the United States.

States and cities participating in the program, financed wholly by Federal funds appropriated to FCDA, were: New York City, Baltimore, Philadelphia, Chicago, Kansas City, Mo., St. Louis, Baton Rouge-Shreveport-Lake Charles, La., New Orleans, Houston, Denver, Minneapolis-St. Paul, Omaha-Lincoln-Council Bluffs, Nebr., Connecticut, Maine, Massachusetts, Rhode Island, District of Columbia, Ohio, Alabama, Florida, North Carolina, Tennessee, Arkansas, Oklahoma, California, and Washington. Generally, contracts signed with these States and cities covered initial stages of the program.

The FCDA survival plan program was started in July 1955, when the 84th Congress made a \$10,000,000 supplemental appropriation available to the agency. Of that amount, \$8,300,000 was allocated to finance survival plan contracts to meet specific survival problems in the various States and cities.

The contracts require that the studies be comprehensive, and include a complete analysis of area population, command and control problems, movement capabilities of traffic and people, shelter availability, reception and care of evacuees, essential resources, and ways and means of educating and informing the public

In addition to the survival studies, pilot studies on specific problems were conducted in several areas to provide information and techniques to guide all survival projects. A shelter study of the Milwaukee area to determine shelter requirements and advisable construction was approved in December, and the interim report was received in March. A study of the reception and care problem in the Milwaukee area was started under a contract approved in December 1955. A census study of Milwaukee, Wis., Houston, Tex., Washington, D. C., and St. Louis, Mo., to establish the population pattern was approved in February, and the final report submitted at the end of the year. Manuals covering the findings of this study, Population Estimates for Survival Planning, have been published by the Bureau of the Census.

The National Opinion Research Center started a study in Milwaukee aimed at improving techniques of disseminating civil defense information through mass media. The Chicago Research Department of the American Machine & Foundry Co. and Wilbur Smith & Associates conducted studies of resources and shelter requirements against nuclear weapons. A study of road construction needed for civil defense is being made by the United States Department of Commerce. A command and control and training requirements study of Milwaukee was made by John Diebold & Associates, Inc., to determine political jurisdiction, continuity of government, and internal alerting and communications problems.

Federal agencies other than the FCDA have been allocated funds by FCDA to carry out the civil defense program in their fields, and part of this money has been assigned for work under the survival plan program. The agencies that have received funds are: Departments of Agriculture; Commerce; Health, Education, and Welfare; Interior; Justice; Labor; and the Housing and Home Finance Agency.

The FCDA survival projects office published two manuals to assist States and their political subdivisions in developing survival plans. The Survival Plan Manual, M27-1, and the Survival Plan Workbook, M27-2, define the seven principal survey projects that must be included in the plan. Two technical reports, TR-27-4, Operation Exit, a report on the evacuation test exercise in South Bend, Ind., and TR-27-5, Operation Green Light, a report based on the evacuation test exercise in Portland, Oreg., were published during the fiscal vear

State and Local Survival Plan Contracts

Contractor	Date	Federal	funds
,	approved	Approved	Advanced
Total		\$1, 542, 665	\$1, 098, 800
Region I:			
Connecticut	3/27/56	30, 000	30, 000
Maine	3/20/56	20,000	20, COC
Massachusetts	4/6/56	25,000	25, 000
New York, N. Y.	12/17/55	108, 200	108, 200
Rhode Island	2/29/56	23, 500	23, 500
Region II:		<i>'</i>	,
District of Columbia	10/31/55	12,000	12,000
Baltimore, Md	2/6/56	42, 500	42, 500
Ohio	3/20/56	209, 900	209, 900
Philadelphia, Pa	3/26/56	50,000	50,000
Region III:		′	,
Alabama	4/30/56	23, 750	23, 750
Florida	2/28/56	8, 500	8, 500
North Carolina	6/4/56	22, 700	22, 700
Tennessee	4/30/56	37, 175	37, 175
Region IV:		:	,
Chicago. Ill	1/19/56	49, 000	49,000
Kansas City, Mo	5/3/56	25, 465	25, 465
St. Louis, Mo	2/8/56	41, 580	41, 580
Region V:		· ,	·
Arkansas	3/9/56	10, 475	10, 475
Baton Rouge - Shreveport - Lake			,
Charles, La	2/7/56	15,000	15, 000
New Orleans, La	11/3/55	25, 500	25, 500
Oklahoma	1/10/56	10, 090	10, 090
Houston, Tex	11/18/55	192, 257	48, 064
Region VI:		· 1	,
Denver, Colo	2/9/56	24, 400	24, 400
Minneapolis-St. Paul, Minn.	3/9/56	20, 731	20, 731
Omaha - Lincoln - Council Bluffs			,
(Iowa), Nebr	2/29/56	17, 270	17, 270
Region VII:	, ,	1	•
California	3/16/56	198, 000	198, 000
Washington	6/15/56	67, 672	,

URBAN ANALYSIS STUDIES

To develop effective local operational plans for civil defense in the event of enemy attack, FCDA, prior to the advent of the survival plan studies, provided guidance and encouraged important target areas to make thorough analyses of items such as the most probable target area, probable damage and casualties, population distribution, industrial installations, communications, transportation systems, evacuation routes, power and water facilities, medical resources, hospitals, schools, jails, 200s, fire fighting plans, potential assembly areas, feed ing and weltare tombities, topography, preventing winds, possible shelters, and many other items. These are necessarily complex projects requiring the services and contributions of a large number of people having specific knowledge in the many fields.

A total of 46 areas has undertaken such analyses. As shown below, 12 of the reports have been completed and released. The other 34 are in various stages of completion; 15 are still in the collection-ofdata stage; the data are being analyzed in 10 cases; 7 are at the reportpreparation stage; and 2-Toledo, Ohio, and Wichita, Kansas,-were reviewing and editing the reports prior to release.

Studies in Process

Collection of data Atlanta, Ga. Dallas, Tex.

Fall River, Mass. Flint, Mich.

Kansas City, Mo.-Kansas City,

Los Angeles, Calif. Mobile, Ala. Oakland, Calif.

Ogden, Utah Portland, Oreg. South Bend, Ind. Sheboygan, Wis.

Topeka, Kans. Tulsa, Okla.

Waco, Tex.

Analysis of data

Cleveland, Ohio Detroit, Mich. Philadelphia, Pa.

Analysis of data-Continued Rochester, N. Y. Hampton-Newport News, Va. Jersey City, N. J. Norfolk-Portsmouth, Va. Seattle. Wash. Shreveport, La. Springfield, Mass.

Preparation of report Akron, Ohio Denver, Colo. Fort Worth, Tex.

Lynn, Mass. Wilmington, Del. Worcester, Mass. Youngstown, Ohio

Review and editing of report

Toledo, Obio Wichita, Kans.

NOTE .- All of the above cities are in Critical Target Areas except Mobile, Ala .: Ogden. Utah; Topeka, Kans.; Waco, Tex.; Tulsa, Okla.; Shreveport, La.; and Sheboygan, Wis.

Reports Released

City	Month released
Dayton, Ohio	March 1951 June 1951 October 1951 November 1953 November 1953 November 1953 February 1954 July 1954 July 1954 June 1955

FEDERAL CIVIL DEFENSE ADMINISTRATION

RESEARCH AND DEVELOPMENT

FCDA is authorized by the Federal Civil Defense Act of 1950 to conduct research and to study and develop civil defense measures designed to protect life and property. Little research is done directly by the FCDA staff. Most of it is carried on as specific research projects under contract with various universities and specialized research organizations. These projects cover a variety of fields such as the testing of materials, weapons effects, development of damage assessment techniques, development of shelters, studies of Natural disaster problems, fire-fighting techniques, population movements, and public opinion surveys.

During fiscal year 1956 the funds obligated by FCDA for these research projects totalled \$1,996,451. A list and brief description of the projects in process as of June 30, 1956, follows.

Projects in Process

		•	
Starting date	Project and contractor	Scheduled completion date	FCDA funds obligated fiscal year 1956
1954	Scientific Advisory Committee.—Established at request of FCDA by the National Academy of Sciences in 1984, this committee, supported by FCDA funds on a continuing basis to advise on a variety of scientific and technical problems. Its members are leading scientists in a variety of fields who serve without pay.	continued	\$40,00
April 1952	Chemical Warfare Defense—Chemical Corps, Department of Army Contract.—Development and testing of infant protector and civilian type protective masks.	do	87, 50
August 1953	Civil Defense Atomic Test Programs.—Parts 2 and 3—Development and execution of a continuing atomic test program as related to civil delense requirements, including observer participation, civil defense trainee participation, and technical tests. Operation Cue, a part of the AEC test series in Nevada in the spring of 1985, was a re- sult of this program. Plans are now being pre- pared for Part 3 sometime in 1987.	do	•
June 1954	Dansey Assessment and Reporting—Stanford Re- standard and Reporting—Stanford Re- diate an appearance of the report	do	200, 000
Tune 1963	Disaster Studies—Committee on Disaster Studies. Autonal Research Council.—Part 1—Field investigations of current pencetime disasters to develop information useful to civil defense in	do	(
seplember (1665	both pacestime and wartime disaster situations. New England Junuter Study—Hurcan of Applied Research, Columbia University.—This evenuation study, recommended by the Committee on Disaster Studies of the National Research Council, relates to large-scale evacuation in the New England area, necessitated by the flood situation and with the problems arising from temporary housing and care, and doubling up with relatives	Tuly into	35 (X)

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Starting date	Project and contractor	Scheduled completion date	FCDA funds obligated fiscal year 1956
November 1955	Sciences.—The functions of this committee are to explore all means and methods for the prevention, extinguishing, and control of large-scale fires. Emphasis is on new and novel procedures	continued	30,000
Do	and memors with the objective of recommend- ing a basic research program in this field for im- dementation by FCDA. Third States Weather, Bureau, Deportment of Commerce—A compre- hensive climatological study of fallout proce- bellities. The purpose of the survey is to add in planning evacuation studies, location of stock- pility sites, and assuring well-founded opera- tional plans. The final report will indicate geo- graphical probabilities of fallout by seasons and areas around target areas in the United States, its Territories, and southern Canada.	August 1956	75, 000
	Operational Communications System—Stanford Research Institute.—The objectives of this research are to provide an attack surveillance system to communicate information on such factors as location of ground rero, weapons size, and height of burst, to a computer center which will be an integral part of the damage assessment system. The first phase will concentrate on systems analysis, preliminary specifications for surveillance instrumentation, requirements for communications network, and establishing the cost of an operating system. Medical Research—National Academy of Sciences:	November 1956	300, 000
170	a. Blood Research.—Funds for this project have been transferred to the Department of Defense to support a continuing contract relating to blood research, plasma, volume	Continued	15,000
December 1955	expanders, and nasogastric feedings. b. Plasma Sterilization—A direct contract authorizes a project on the sterilization of blood plasma for the elimination of the transmission of jaundice.	do	38, 125
	Proble Attitude Surrey—Surrey Research Center of the University of Michigan.—A field survey to show current public thinking with regard to various civil defense topics. This will bring a 1954 study up to date.	December 1956	69,00
	Shetter Research—Ionizing Radiation—National Bureau of Standards, Department of Commerce.—One of the larger initial undertakings will be a study of the attenuation of nuclear radiation by	Continued	16, 500
une 1956	Shelter Design—American Machine & Foundry Co.—Design of a 150-foot span reinforced-concrete dome-type shelter with the canacity to house about 3,000 persons for several days or longer.	December 1956	35, 630
'ebruary 1956	Proble Communications System — Audio-sound System—Dukane Corp.: (1) Development of four prototype model transistor amplifiers for the wire line control system for mobile, portable, and fixed applications of the control of the cont		89, 750
	duce the weight and power supply requirement to simplify maintaining to increase the life expectancy, to increase portability, and to reduce cost of civil defense public address units. 2. Development of specifications for a lightweight portable public address system suitable not immenterant. Also recommended the company of the comment in including for a purposed association of the comment including for a purposed association of the comments and the comment including for a purposed association of the comment including for a purposed association of the comment including for a purposed association of the comments and the comments and the comments are comments and the comments and the comments and the comments are comments and the comments and the comments are comments and the comments and the comments are comments and the comments are comments and the comments and the comments and the comments are comments and the comments and the comments are comments are comment		
	suitable to nam interat. Also recom- mination of speech techniques for best intelligibility; and development of service usage techniques in civil defense situations.	!	

ANNUAL REPORT, 1956 Approved For Release 2003/07/29 CIA-RDP80B01676R00400030004E9SE ADMINISTRATION Projects in Progress—Continued Projects in Progress Continued

Projects in Progress—Continued

Starting date	Project and contractor	Scheduled comple- tien date	FCDA funds obligated fiscal year 1956
February 1956	Public Communications System—Continued. (3) An engineering survey and application of wire line control system in Gary, Ind., using presently available and commercially produced sound equipment. To provide technical guidance to cities and States relative to the installation of equipment presently available. Home Warning Devices:		
December 1955	A. Superimposed Powerline Signal Systems: 1. Powerline Harmonic System—Midwest Research Institute.—Research on a voltage reduction signal system to be used on electric power distribution systems. The original voltage dip method has been found to have tech- nical and practical difficulties. Eight different types of signals have been explored. The original scope of the contract has been revised and ex- tended, and present emphasis is on a	October 1956	49, 88
April 1956	narmonic voltage, system. 2. Overall Innestigation—Armour Fesearch Foundation.—An overall study of powerline warming systems making use of superimposed signals over a wider range of frequencies. It am- ing systems and the generation and transmission of the warming signal. It will include comparative study of home warming devices presently developed or being considered, as well as the preliminary design of a warming	do	39, 55
Do	tional Business Machines Corp.— Development of an internal warning system for the purpose of generating and receiving a civil defense alert sig- nal. The contractor will furnish FCDA with receivers and necessary transmitting equipment for installa-	do	39, 28
May 1956	tion 4. Hom-A-Lert System—Allis-Chalmers Co.—Development, production, and testing of so internal warning system including generating equipment, wave-trap equipment, and signal receivers to be installed and tested in Cincinnati,	September 1956	47, 276
Do	B. Telephone Signalling System—Armour Research Foundation.—Development of a warning system based on telephone system signalline. It will include an analysis of the switching techniques used by Bell and independent telephone companies, study of methods of communicating an aiarm to telephone system subscribers, and development of a prototype alarm system to be installed in a typical.	February 1957	24, 918
20.00	telephone central office. Pototype CONPLEAD Mert Review. Philos Corp.—Development of three prototype radio receivers actuated by various sequences based on CONELRAD Alert procedures. The contract seeks to levelop simple reviews talera received use by the pubme.	2 6 - 1. 0	

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Projects in Process—Continued

Starting date	Project and contractor	Scheduled comple- tion date	FCDA funds obligated fiscal year 1956
Магећ 1956	Varning and Communications Sustems Studies: A. Overall Communications Study—Melpar Corp.—A study program of civil defense communications in that period between the warning and the delivery of the weapons with particular emphasis on the requirements of survival procedures. (1) A survey of alarm communications from and including the key points down to the citizen to be warned. Recommendations will be made for the design of an optimum beared of the design of an optimum based on economic, augmeering, and political factors. (2) An evaluation of the existing CON-ELRAD system with recommendations for improvement or better alternative procedures if CON-ELRAD is found inadequate. (3) A survey of the entire civil defense communications problem from the first alert down to the public, broadcasting of intelligence attack, establishing and maintaining coordination between civil defense leaders and workers, and communications smong ci-	March 1957	49, 145
A pril 1956	vilians after an attack. B. Il arning Study, by Specific States—Gautney & Jones Co.—A study of the effec- tiveness of the cristing Scalities from the Air Division through the key points down to the local level, to be conducted in Maryland and Pennsylvania.	November 1956	33,500
March 1956	remniogical Defense System—Outerary of Chir- fornia.—A study aimed at the development of a National Radiological Defenses System. Will incommend the control of the control of the con- trol of the control of the control of the tecommendations for the control of the con- trol of the control of the control of the con- trol of the control of the control of the con- trol of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr	March 1957 but will continue.	591, 600
June 1956	Public Education and Training: A. Local Civil Defense Organization Effectiveness—Political Science Department of the Michigan State University.—A comparative study of types of civil defense organizations currently operative in States, cities, counties, and metropolitan target complexes. The following aspects will be analyzed: formal organization of the specific agency, its external relations with other organizations, its informal relations, and its community relations. Training materials will be prepared, jurisdictional problems will be pointed out, the factors associated with effective civil defense programs will be specified.	November 1956	33, 944
May 1956	civil defense programs will be specified. B. Bolustion of Local Civil Defense Training Lifectivelies—Appinet Psychologicus Sete- ices, Vilkanous, Pa.—Development of the means and instruments for the evaluation of the effectiveness of civil defense train-	,	24. 984

Projects in Process—Continued

Starting date	Project and contractor	Scheduled comple- tion date	FCDA funds obligated fiscal year 1956
June 1956	Public Education and Training—Continued. ing at various levels. For use by all! levels of civil defense organizations. ** C. Effectiveness of Coult Defense Information Metha-Group Attitudes, Inc., New York, fense parsonnel, and with selected influence groups to determine their evaluation of the effectiveness of civil de- fense public information media, news releases, radio, TV, etc. Analysis of interview results is intended to develop the "what" and "why" of the effective- ness of the various media used by FCDA.	November 1956	39,000

NATURAL DISASTERS

Nearly \$22 million was allocated to the States as Federal assistance in 26 major natural disasters during fiscal year 1956. Since enactment of Public Law 875, on September 30, 1950, the Congress has appropriated more than \$84 million for Federal disaster assistance, and the President has authorized a net allocation of more than \$64 million in disaster funds. A total of \$34,500,000 was made available by the 84th Congress for disaster purposes.

In Executive Order 10427 dated January 16, 1953, the President conferred authority upon FCDA to direct and coordinate Federal assistance in major natural disasters as set forth in Public Law 875.

From the time responsibility for natural disaster operations was assigned to FCDA until the natural disaster office was established, operations were directed by a small staff that reported directly to the assistant administrator, operations control services.

After the northeast and west coast floods in the fall of 1955 and early 1956, it was recognized that additional staff was necessary. A separate disaster office therefore was established by the Administrator of FCDA.

Approval by FCDA Administrator Val Peterson of General Order 232, on February 16, 1956, established a natural disaster office at the National Headquarters of the Federal Civil Defense Administration, Battle Creek, Mich. The order also outlined the functions of the office in fulfilling the responsibility of FCDA for direction, coordination, and control of Federal assistance to State and local governments in areas of major natural disasters.

The natural disaster office is headed by a director, who reports to the assistant administrator, operations control services, FCDA.

the Office, and in natural disaster emergencies personnel from other offices and services of FCDA National Headquarters are called upon, as the need requires, to assist the regular staff.

General Order 232 states that, "The Natural Disaster Office will * * * provide technical advice and guidance on natural disaster operations to other Federal agencies, FCDA Regional Offices, local (including State) political subdivisions, and nongovernmental groups * * *." Detailed functions are then outlined.

Specialists who may be assigned to natural disaster duty include those in the following fields: communications, meteorology, supply, transportation, audit, engineering, medical, welfare, industrial protection, safety, public information, planning, and law.

Since establishment of the office, much effort has been directed toward further simplifying procedures for setting Federal disaster assistance in motion-quickly, and without duplication of Federal effort.

Major Natural Disasters, Fiscal Year 1956

The two most damaging natural disasters during fiscal year 1956 were hurricane and floods that struck the east coast in August, 1955; and floods in California in December of 1955. Welfare needs were probably the highest in the history of the Nation. Industry and transportation were paralyzed; power and communications cut off; and thousands of persons were homeless and in want.

An indication of the scope of Federal disaster relief activities may be seen in the fact that Federal agencies involved in the floods of August 1955 included FCDA; the Department of Agriculture's Agricultural Marketing Service, and Farmers Home Administration; the Department of Commerce's Bureau of Public Roads, and Maritime Administration; the Army Corps of Engineers; the Department of Health, Education, and Welfare's Public Health Service, and Food and Drug Administration; the Housing and Home Finance Agency's Public Housing Administration, Federal Housing Administration, and Federal National Mortgage Association; the Department of Labor; the Small Business Administration; the Department of the Treasury, and the Department's Coast Guard, and the Internal Revenue Service; the Office of Defense Mobilization; and the General Services Administration.

In the floods in California in December 1955, FCDA set up Interagency Centers at strategic points in the disaster areas to coordinate Federal disaster relief Twenty-three Federal agencies and the American National Red Cross were represented at the Interagency Centers.

A nucleus staff of disaster specialists is assigned permanently to MAJOR NATURAL DISASTERS, FISCAL YEAR 1956

Date of leclaration	Area	Nature of disaster	Presidential allocation
Aug. 13	North Carolina		\$3, 271, 000
15	New Mexico	Flood.	120, 360
20	Pennsylvania	Hurricane and flood	1, 020, 000
20	Connecticut	dod	1, 020, 000
20	Massachusetts	dodo	1, 020, 000
20	New Jersev	do	1 020 000
20	Rhode Island	do	1, 020, 000
20	South Carolina	Hurricane	408, 000
22	New York	Hurricane and flood	510, 000
Dec. 22	Alaska	Severe hardship	25, 500
23	California	Flood	9, 735, 000
24	Nevada	do	378, 600
29	Oregon	do	1.384 000
Feb. 25	Washington	do	257, 500
Mar. 15	Pennsylvania	dodo	51, 500
29	New York	do	51, 500
Apr. 5	Michigan	Tornado	139, 050
7	Oklahoma	do	66, 950
9	Tennessee	do	L ' ' ' '
18	Alabama	do	İ
21	Idaho	Threatened flood	206, 000
24	North Carolina	Severe storm	206, 000
May 17	Ohio	Windstorm	L
21	Pennsylvania	Storm	
une 12 ,	Colorado	F100d	51, 500
23	Missouri	Water shortage	
To	tal		127 410 205

The natural disaster office organized and distributed to the field an interim administrative manual that details the types of Federal assistance available to State and local governments in time of major natural disaster; the manner in which to secure such assistance; rules, regulations, and procedures of FCDA governing the assistance available; and other pertinent information. The manual was prepared in loose-leaf form for easy revision.

Technical personnel of the natural disaster office and instructors of the FCDA Staff College cooperated in developing a 5-day course to inform and train persons regarding Federal assistance available in time of natural disaster. One 3-day course for selected FCDA personnel was given at the National Headquarters of the Federal Civil Defense Administration, at Battle Creek, Mich., in June. The expanded 5-day course will be presented to the public for the first time in November 1956.

A report was prepared during the fiscal year by the Natural Disaster Office for use by FCDA Administrator Val Peterson in support of proposed Federal legislation to provide flood insurance. The 84th FIGURE 6. CIVIL DEFENSE FORCES AUTHORIZED BY STATE LAW TO COMBAT

NATURAL DISASTERS

DUTSIDE CONTINENTAL U.

Congress later enacted Public Law 1016, known as the Federal Flood Insurance Act of 1956. Besides providing protection from flood loss, the law requires a study and report on insurance needs against other natural disaster perils.

State Authorization for Civil Defense Action in Natural Disasters

During the fiscal year, FCDA continued to recommend that State civil defense agencies be given the authority to coordinate natural disaster activities within a State. The goal has nearly been reached. Most States have already taken such action; others have set up separate authority for enemy-caused and natural disasters; and still others have emergency authority vested in an existing government department.

The map (fig. 6) shows the States in which civil defense forces are authorized by State law to take action in natural disasters. By the end of the fiscal year, 39 States, the District of Columbia, and five Territories or possessions had enacted legislation authorizing civil defense forces to act in time of natural disaster. Of the nine remaining States, such legislation was pending in Delaware, Missouri, Tennessee, and Vermont.

Work in natural disasters has provided excellent training for civil defense personnel in leadership, organization, and use of technical skills. And on the other hand, civil defense organization and training has increased the capability of personnel to give effective assistance in natural disasters.

DELEGATIONS PROGRAM

The Federal Civil Defense Act of 1950 authorizes the FCDA Administrator to "delegate, with the approval of the President, to the several departments and agencies of the Federal Government appropriate civil defense responsibilities, and review and coordinate the civil defense activities of the departments and agencies with each other and with the activities of the States and neighboring countries." Under this authority the Administrator has issued four delegations, as follows:

Delegation No. 1, approved by the President July 14, 1954, delegated to the Secretary of Health. Education, and Welfare 10 specific luties dealing principally with health and welfare problems under much conditions, development of and deferse training materials for incorporation in the curricula of schools and colleges, and the development of shelter and protective measures for educational institutions,

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Approved For Release 2003/07/29 Delegation No. 2, approved September 8, 1954, assigned duties to several agencies:

To the Secretary of Agriculture were delegated three responsibilities dealing with control or eradication of diseases, pests, or chemicals used in biological or chemical warfare against animals or crops, the planning of emergency food supplies, and the prevention and control of fires caused by enemy attack in rural areas.

To the Secretary of Commerce were delegated responsibilities for designation of civil defense emergency highways, coordination of interstate and State civil defense highway systems, emergency clearance and restoration of highways, streets, and bridges in damaged areas, traffic control problems during an emergency, and the provision of data and assistance to the States in analyzing potential target and support areas.

To the Secretary of Labor were delegated responsibilities for planning emergency use of the labor force, estimating survivors by occupational and social characteristics, coordination of the nationwide employment service offices for determining manpower requirements and for recruiting purposes, developing methods of compensation for authorized workers in an emergency, the provision of compensation payments for the injury or death of authorized workers during an emergency, and a plan for provision of temporary aid to workers during periods of idleness resulting from enemy action.

The Attorney General was given a delegation for guiding the States in the protection of penal institutions and the control and utilization of prisoners and facilities during an emergency.

To the Housing and Home Finance Administrator were delegated responsibilities for developing protective standards for new housing and temporary shelter in existing housing, provision of temporary emergency housing in support of attacked areas, and plans for the emergency restoration of housing and community facilities coming under the agency's jurisdiction.

Delegation No. 3, approved August 13, 1955, gave further responsibilities to the Secretary of Commerce, namely, the planning of needed highway improvements to meet civil defense requirements, and the development and current issuance of improved forecasts of radiological fallout patterns. This delegation also gave to the Secretary of the Interior the task of planning and providing adequate fuel supplies to attacked areas and reception centers.

Delegation No. 4, approved by the President November 22, 1955, gave to the Secretary of the Interior the responsibility for emergency restoration of electric utility service to attacked areas and the provision of adequate electric utility service to support areas.

As of June 30, 1956, most of the agencies had made progress toward carrying out their delegated responsibilities, but progress was limited in some cases due to the lack of funds.

The delegate agencies obligated a total of \$1,478,680 for these civil defense programs in fiscal year 1956. The agencies requested a total of \$6,656,000 for these functions in fiscal year 1957 and Congress appropriated \$4,000,000. Funds available for fiscal year 1957 were allocated to the various agencies as shown in the table, Civil Defense Funds of Delegate Agencies.

Program Progress

Agency	Delegation	Progress
DEPARTMENT OF AGRICULTURE		
	Agriculural	Research Service
	Plan a national program and direct Federal activities concerned with re- search, diagnosis, strengthening of defen- sive barriers, and control or eradication of diseases, pests, or chemicals introduced as agents of biological or chemical war- lare against animals and crops.	A series of 2-day meetings were held it various States with veterinarians, live stock sanitary officials, college veterinar faculties and others on the recognition and handling of foreign animal disease including emergency plans for copin with outbreaks. A total of 107 regional meetings have been held on disease problems and control programs. Work is progressing on developing new diagnostic techniques and improving performance and control procedures.
	Agricultural Marketing Service as	nd Commodity Stabilization Service
	Plan and direct Federal activities, and provide technical guidance to States, in connection with an overall food program simed at maintaining adequate emergency food supplies for attack or support areas.	A guidebook for food processing and distributing establishments presenting factors for reducing vulnerability of in dustrial food plants has been developed and is being distributed for comment to trade associations and other industry representatives. A proposed set of guidelines for determining food and food facility resources in reception areas is being developed. A draft of an order prescribing the general rules of a good priority system has been developed and is being reviewed. Development of a course in radiological training for inspection personnel to assist in identifying radioactive foods and processing equipment is being studied. Emergency processing storage and distribution methods are being studied.
	Forest .	Service
	Plan a national program, direct Federal activities, and provide technical	State committees for Rural Fire De-

Supplemental guidelines conta w principles and schedules have veloped by the National Kural dense Committees as an aid to reg d State committees.

Progress

Program Progress—Continued

Agency	Delegation	Progress
DEPARTMENT OF COMMERCE	Bureau of l	Public Roads
	Provide advice and guidance to State himsy departments in the designation of State evil defense emergency highway to Coordinate interstate and State designation of the coordinate interstate and State designated civil defense highway systems to assure uniformity of designation for civil defense emergency purposes. Plan a national program; develop technical guidance for States, and direct Federal activities concerning emergency clearance and restoration of highways, streets, and pridges in the guidance to States concerning highway traffic control poolelems which may be created during a civil defense emergency. Determine and evaluate, with the cooperation of the States, counties, and cities, and assist in the planning needs for highway improvement to meet civil	A revised draft of the preliminary report on oivil defense highway needs has been completed and is being reviewed. A standard design for evacuation route signs was recommended. A manual has been prepared discussing techniques to be used in evacuation planning and full utilization of highway systems in an emergency. Official civil defense program assistance has been established in the Commission-rivolitos. Official civil defense program assistance has been established in the Commission-rivolitos. The commission of the commission
	defense requirements.	ther Bureau
	Prepare an analysis of past data, conduct research, and develop bedniques expanilities leading to improved creases for radiological fallout patterns. Prepare and issue currently, as well as in an emergency, foreasts and estimates of areas likely to be covered by fallout as a result of enemy attack. Such information is to be made available to Federal, State, and local civil defense authorities for public information.	Since June 1955 coded fallout messages have been transmitted twice daily on teletypewriter circuits. When decoded and plotted, these yield fallout bulletins for 52 locations covering the entire country. The 500 drops on the circuit insure messages being available to all required officials and industrial groups. A simplified coding procedure was put into effect so that local civil defense personnel could decode the forecasts with accuracy. Arrangements have been concluded with the same information in twice daily forecasts from eight locations in southern Canada. Honoinlin and Alaska also report daily fallout forecasts. Work continued on the establishment of a fallout standard. Tabulation and analysis of data has been completed. Working up trajectories of particles from these is now in progress. A survey was conducted by the Weather Bureau Central Office to determine the use being made of the fallout messages. TODA National and regional offices. Experimental work in the use of an analogue computer to produce fallout forecasts is being done. Full time meteorologists have been assigned to FCDA National and regional offices. A brief study of the reliability of persistence assumptions in fesious predictions for a summer and winter situation has been made. Templates from mean wind charts for the maining ones are being prepared.
	Area De Previa d'ara and seist the States in a fairle d'area le les d'areas de la commentation de la comment	

ANNUAL REPORT 1956 ADMINISTRATION CIA-RDP80B01676R001000030001-9 **Program Progress—Continued**

Agency

Delegation

DEPARTMENT OF HEALTH, EDUCATION,		Public Health Service
AND WELFARE	Plan a national program, develop	Projects on the rapid identification of
	technical guidance for States, and direct	biological warfare agents are under way,
	Federal activities concerned with finan-	A report summarizing available informa-
	cial assistance for the temporary relief or	tion on potential chemical warfare agents
	aid of civilians injured or in want as the result of attack.	is being prepared. Data on public water supply facilities
	Plan, program, and develop technical	developed in the bomb damage assess-
	Plan, program, and develop technical guidance for the States and direct Fed-	ment studies were forwarded to FCDA.
	eral activities concerned with the acqui-	Ten nationally known waterworks
	sition, transportation, and payment for	experts have been appointed consultants
	clothing of civilians in want as a result of attack.	to PHS to advise on the essential munic- ipal water supplies in defense emergency
	Plan a national program, develop	and natural disaster.
	technical guidance for States, and direct	Training courses on public health in
	Federal civil defense activities concerned	civil defense have been given in Pennsyl-
	with research with respect to, and de- tection, identification, and control of: (1)	vania, Maryland, Texas, Oklahoma, Massachusetts, Virginia, Maine, Wash-
	communicable diseases in humans, (2)	ington, and Louisiana.
	biological warfare against humans, (3)	A course entitled "The Role of the
	chemical warfare against humans, and	Public Health Laboratory in Civil De-
	(4) other public health hazards. Plan, develop, and direct Federal ac-	fense" was given to a group of key labora- tory personnel from 8 States.
	tivities concerned with a national pro-	Staff members participated in many
	gram designed to provide Public Health	courses, meetings, and conferences for the
	Service reserve professional personnel	purpose of presenting material on the various aspects of civil defense.
	from support areas to those damaged by enemy attack.	The strength of the Commissioned
	Plan, develop, and distribute through	Reserve Pool of Professional Personnel
	appropriate channels, training materials	was 2,263 on Mar. 31.
	for incorporation in the curricula of schools and colleges throughout the	Fifty commissioned reserve officers
	United States in order to integrate the	attended the fourth headquarters course on "Public Health Activities in National
	teaching, in all possible courses, of civil	Emergencies."
	defense skills, and knowledge and funda-	A course on "Epidemiology in Civil
	mentals of behavior during emergencies.	Defense" has been developed for presen- tation to commissioned reserve physi-
	Plan, develop, and distribute, through appropriate channels, technical guid-	cians.
	ance concerning the provision of shelter	Three sanitary engineer officers were
	and other protective measures designed	given orientation and training and as-
	to minimize injury to personnel and re-	signed to full-time civil defense work in
	duce damage to vital components of educational institutions and hospitals	An emergency operations plan and a
	and of water, sewer, and other public	natural disaster relief operations plan are
	health facilities.	being prepared.
	Plan a national program, develop technical guidance for States, and direct	Courses, lectures, and training materials for "Sanitary Engineering Problems in
	' Federal activities concerned with the	for "Sanitary Engineering Problems in CD Disaster" have been prepared and
	emergency restoration of community	used in a pilot course conducted at the Sanitary Engineering Center. It was
	facilities essential to health or functional components thereof for which the Public	also given in Salt Lake City, Utah.
	Health Service normally has regular	Plans are being developed to assist
	operating programs.	deans of the medical schools in solving
	Plan a national program, conduct	civil defense problems.
	research, develop technical guidance for	Social Security Administration
	States, and direct Federal activities designed to meet the extraordinary	(Bureau of Public Assistance)
	needs for food and drug inspection and	·
	control in attacked areas.	Considerable time has been spent in
	During a civil defense emergency, employ temporarily additional person-	discussing and defining major policy fields falling under the Department's
	nel without regard to the civil service	delegations.
	laws and incur such obligations on behalf	A manual for instruction and guidance
	of the United States as may be required to meet the civil defense requirements of	is being prepared. A condensed version of policies and procedures to be included
	an attack or of an anticipated attack.	in it has been released to the States.
	Disseminate such civil defense in-	A committee on emergency clothing.
	formation as may be approved from time to time by the Federal Civil Defense	representing leaders in the retail clothing
	Administration.	field professional associations and Fed- eral agencies, has been selected and is
	ir territor (1 & HVIII.	scheduled to meet in the fall.
		Material for estimates of clothing re- sources in the Milwaukee Area was pre-
		pared and a method for estimating these resources has been worked out.
		resources has been worked out. Material for special FCDA Staff
		College welfare from the freen deval-
	•	, oped.

Program Progress—Continued

Agency	Delegation	Progress
DEPARTMENT OF EALTH, EDUCATION, ND WELFARE—COIL.		Social Security Administration—Con. Extensive work has been done to en course the participation of nations private segments and professional associations in planning for the delegated programs, including the appointment of a temporary consultant to deal exclusively with the matter. Agreements with the States are being signed which will form a basis for the planning of the emergency financia assistance and clothing programs and will provide authority for them to operate in accounting an emergency for a consultant of the second provides and will provide authority for them to operate in a consultant of the second provides and will provide authority for them to operate in a consultant of the second provides and will provide authority for them to operate in a consultant of the second provides and will provide authority for them to operate in a consultant of the second provides and will provide authority be second provides and will be the focal point around white delegated welfare functions will be the focal point around white delegated welfare functions will be the focal point around white delegated welfare functions will be the focal point around white delegated welfare functions will be the focal point around white delegated welfare planning material has been received from 46 States. Tentative criteria and cost tables have been so developed for a 50-50 matching with the States on administrative cost for planning defense warfare services. Office of Education Civil defense plan warfare services. Civil defense plan project centers have been received from each of the centers for the continuation of the point project centers have been received from each of the centers for the continuation of the point projects in 1957, with emphasic organization, Education for National Connecticut, and Michigan State departments of education programs. A total of 46 States and 6 Territorie centers, was being printed at the end of the fical year. It will be distributed nationality of defense educational progress. Information shee
!		have been published to date. Food and Drug Administration
		The preliminary report on tests of food at Newada has been published. The final report has been declassified and it being printed. The properties of the extent of penetration of Reports on the extent of penetration of the properties of the proper

ANNUAL REPORT, 1956 Approved For Release 2003/07/29 CIA-RDP80B01676R001000030001-9 ADMINISTRATION

Program Progress—Continued

Agency	Delegation	Progress
DEPARTMENT OF THE INTERIOR	Office of Miner	als Mobilization
THE INTERIOR	Plan and direct Federal activities de- signed to procure, store, transport, and distribute adequate fuel supplies to at- tacked areas and reception centers, con- sistent with the national emergency fuel program.	Conferences were held with State Civil Defense Directors in three States and de- tailed plans of operations developed to integrate the national program of fuels distribution into the local organizational setup.
		Plans are being developed for establishing regional and local area distribution managers for fuel. Initial contact with industry representatives and coordination meetings with some regional administrators have been arranged.
	Office of C	Dil and Gas
	Same as above.	A preliminary survey of five FCDA regions and a representative group of States was undertaken to determine what was being done to cope with petroleum and gas problems in a civil defense emergency.
	Assistant Secretary for Wa	ter and Power Development
	Plan a national program, provide tech- nical guidance to the States, and direct Federal activities concerned with the emergency restoration of electric utility service to attacked areas and provision of adequate electric utility service to support areas.	Meetings have been held in 14 sections of the country to enlist cooperation and support of the utilities. All of the United States was covered.
DEPARTMENT OF JUSTICE	Provide technical guidance to States concerning the protection of penal insti- tutions and the control and utilization of prisoners and facilities during a civil defense emergency.	No report.
DEPARTMENT OF LABOR	y No. 1	
	Plan and develop a national program relating to the utilization of the labor force during a civil defense emergency, consistent with the responsibilities of the Department of Labor with respect to manpower mobilization.	A regional conference on manpower and postatatek mobilization was held in Boston, covering Maine, New Hampshire, Vermont, Rhode Island, Massachusetts, and Connecticut. A plan for the organizing and training of a task force trained in civil defense stills so that they can quickly be shifted to civil defense jobs in an emergency has being discussed. The control of the condense in the condense in the condense is being discussed to the condense in the condense is being discussed. The control of the condense is being discussed to civil defense is being undertaken with New York State civil defense.
1	Activity	
 	Conduct research and provide a meth- od of estimating survivors by occupa- tional and social characteristics, and for determining their availability for em- ployment during a civil defense emer- gency.	Work has been started to determine and provide the basic data on population and work force characteristics for use in the electronic damage assessment system. Rough outlines of the types of information to be collected on the spot in a post-attack period have been developed.
,	Provide technical guidance to the States and direct Federal activities concerned with coordination of the nation-wide system of employment service offices for determining requirements, of and recruiting, referring, and utilizing workers to meet civil defense needs.	All field offices have received interim instructions and procedures to follow in an emergency. Some elements of these procedures have been tested in practice exercises and flood disasters. Planning is in progress to develop coordinated technical guidance for State employment service emergency activities. Standards on defense manpower plans we being developed for inclusion; magreements between State employment services and State civil defense agencies. A study of the New York State civil
DP80B0167		defense program is under way to determine its suitability for developing standards for other State agencies in setting up necessary organization and occupational structures for emergency recruitment, selection, referral, and allotment of manpower.

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Program Progress—Continued

Agency	Delegation	Progress
DEPARTMENT OF	Activit	y No. 4
Zasou constitut	Plan a national program, develop technical guidance for the States, and direct Federal activities concerned with the methods of compensation for authorized workers in a civil defense emergency, with the provision of compensation payments for the injury or death of authorized workers while engaged in civil dense activities, and with financial assistance for temporary aid to members of the labor force during periods of idleness due to destruction of working places through enemy action.	Drafts of plans covering each of these there problems have been prepared and discussed with the Labor Advisory Committee on Civil Defense.
HOUSING AND HOME FINANCE	Conduct research and provide technical guidance to the States concerning protective standards for new housing construction and temporary shelter in existing housing facilities. Plan a national program, provide technical guidance to the States, and direct Federal activities concerned with the provision of temporary emergency housing in support of areas subjected to enemy attack, and with the emergency restoration of essential housing and those related community facilities damaged by enemy action for which the agency normally has legal responsibility.	Defense planning committees have been appointed in each constituent agency and unit, as recommended by the HHFA Defense Council. The effects of the nuclear explosion at Nevada in 1955 on residential structures exposed are being studied. Proposals have been submitted for nuclear tests of dwelling units.

Civil Defense Funds of Delegate Agencies

	Amount of funds				
Delegate agency	Transferred by FCDA for fiscal year 1956	Obligated during fiscal year 1956	Transferred by FCDA for fiscal year 1957		
Department of Agriculture	\$190, 000 1, 240, 000	\$163, 813 1, 214, 794	\$325, 000 555, 000 2, 340, 000		
Department of the Interior Department of Justice	20, 000	10, 328	70, 000 60, 000		
Department of Labor Housing and Home Finance	65, 000 25, 000	64, 252 24, 853	300, 000 350, 000		
Total	1, 540, 000	1, 478, 040	4, 000, 000		

WOMEN'S ACTIVITIES

Throughout the year FCDA continued to establish contacts and working programs with over 100 women's organizations representing total membership of 27,000,000 American women.

Some of their activities in fiscal year 1956 follow.

Regional directors of women's activities held a 3-day conference at FCDA headquarters in July, to discuss the work pattern for the year.

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The national essay contest sponsored by the Veterans of Foreign Wars Auxiliary, in which over 30,000 high school students throughout the Nation wrote on the subject "What Civil Defense Means to Me," was completed in September.

A food writers' conference was held at FCDA Headquarters in October and a special emergency mass feeding demonstration was put on by Region IV for those in attendance. Many newspaper articles on emergency feeding and emergency food supplies resulted from this conference.

The American National Red Cross continued its cooperation with FCDA in providing civil defense training programs for women. New courses on home care of the sick and injured were developed and a manual on emergency feeding, jointly sponsored by FCDA and Red Cross, was prepared for publication in 1957. FCDA distributed 10,-000 booklets on disaster, which were supplied by the American National Red Cross, and featured a speech by Mr. Ellsworth Bunker, president of the American National Red Cross, in a special issue of the FCDA Women's Newsletter.

The American Legion Auxiliary held its annual training course on home protection at FCDA Staff College, Olney, Md., in January.

The women's auxiliary to the American Medical Association held a panel program on civil defense at its convention in Atlantic City.

The Future Homemakers of America held special round table discussions on civil defense at their meeting in Chicago. This meeting resulted in many requests for program material.

The Newsletter increased its circulation from 5,000 to 19,000 during the year, with 500 to 1,000 additional requests coming in each month. Fourteen issues were published during the year. One on skits was especially popular because of the wide use made of it as the basis for club programs. Another one, "Grandma's Pantry Goes on Wheels," was widely used at State and county fairs, food fairs, and other booths and displays.

The National Women's Advisory Committee meeting was held in Washington, D. C., November 4 and 5, 1955, with 131 in attendance. Recommendations from this committee were used as the basis and guideline for the year's work. Members of the committee were briefed by the Air Force at a special meeting in the Pentagon.

The first youth conference for civil defense was held in January 1956 in Battle Creek, Mich. Both adult and teenage representatives of youth groups attended. A recommendation was made that an official youth conference should be held with a representative from rach national organization

Two official representatives of FCDA, several civil defense volunteers, and members of the American National Red Cross staff were : CIA-RDP80B01676R001000030001-9

Uniform designs for women volunteers were established. Plans for promotion and publicity were scheduled for fiscal year 1957 to be a part of Civil Defense Week.

The first use of December 7th as a promotional date for civil defense was made with an interview broadcast on a national TV network.

Regional conferences attended by representatives of all the States were held in 5 of the 7 regions. Similar meetings were held in many of the States and cities.

GROUND OBSERVER CORPS

The Ground Observer Corps program is administered by the U.S. Air Force. National and local CD officials assist in recruiting. Considerable progress has been made in this program of organizing observation posts and recruiting volunteers to scan the skies for enemy planes as a supplement to radar and other means of guarding against surprise attacks of enemy planes. As of June 30, 1956, the Air Force estimated that to man this program fully the Nation would require 23,418 posts and 1,400,000 volunteers.

The program has grown since December 1952, as indicated by the following charts, from fewer than 10,000 observation posts and approximately 250,000 volunteers to its status on June 30, 1956, with 17,690 observation posts and 474,425 volunteers. Of the 17,690 observation posts, 13,455 are at required locations in order to provide air surveillance; 11,801 are classified as "operationally capable" posts maintaining operational proficiency with a sufficient number of trained personnel to maintain continuous operation for any 72-hour period during actual or simulated alerts and available for reporting 12 months out of the year. A total of 889 posts is classified as "operationally ready" in that they operate around the clock or average at least 160 hours in operation per week specifically observing aircraft. Of these 474,425 volunteers the Air Force reports as of June 30, 1956, show 351,089 were active and 123,336 inactive.

As of June 30 the observation posts report their observations of aircraft to 72 filter centers scattered through the country. These centers with the area reporting to each are indicated on figure 9. There was one change by June 30 which the map does not show, namely, the areas served by Casper and Rapid City were consolidated, with Casper serving both. Other consolidations were scheduled to take place during July and Angust as follows:

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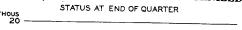
Saginaw combined with Grand Rapids. Louisville combined with Lexington. Roanoke combined with Richmond.

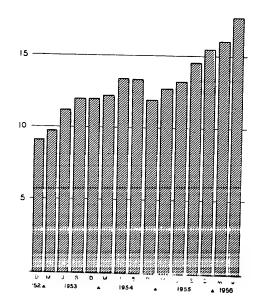
Seattle combined with Portland.

White Plains combined with Trenton.

In addition to filter centers and boundaries of their areas, the map shows Air Defense Identification Zones (ADIZ's) set up to maintain air surveillance in these areas and to assist in the peacetime control of air traffic. Only aircraft flying at a true air speed of 110 knots or less and at an altitude of 1,500 feet or less are authorized to fly within an ADIZ without a flight plan previously filed with the Civil Aeronautics Administration. After the filing of a flight plan a pilot in command of an aircraft must adhere to the plan within certain toler-

FIGURE 7.—OBSERVATION POSTS ORGANIZED



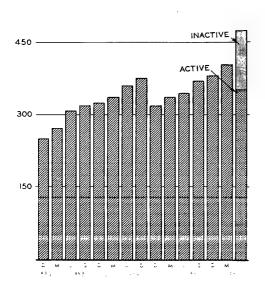


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interceptor aircraft will be sent aloft to make positive identification. The following table presents statistics on Ground Observer Corps by States. Six States and the District of Columbia had organized observation posts equal to 90 percent or more of those required at specific locations. Ten States had from 75 to 89 percent, 18 States had 50 to 74 percent, 9 States had 25 to 49 percent, and 5 States had less than 25 percent of the needed posts at required locations. Requirements for volunteers, by States, were not available. The States with the largest numbers of active volunteers were Texas, California, Minnesota, Pennsylvania, New Mexico, Iowa, and Michigan, each of which had over 15,000 active volunteers.

FIGURE 8—VOLUNTEERS ENROLLED STATUS AT END OF QUARTER



OBSERVATION POSTS—BY STATE

FCDA region and State	Number	Organia quired l	ed at re- locations	Total number	Opera- tionally	a- Active
	required	Number	Percent of required	organ- ized	ready (24 hours)	teers
Total	23, 418	13, 455	57	1 17, 416	889	1 365, 797
Region 1	1, 574	1, 347	86	1, 452	116	36, 689
Connecticut Maine Massachusetis New Hampshire New Jersey New York Rhode Eland Vermont	89 310 140 127 153 617 23 115	85 283 135 108 102 502 17 115	96 91 • 96 85 67 81 74	87 285 137 123 114 557 26 123	3 17 3 6 28 48 1	5, 021 6, 446 3, 265 2, 054 3, 195 12, 253 539 3, 916
Region 2	2, 190	1, 723	79	1,879	122	45, 670
Delaware District of Columbia Kentucky Maryland Ohio Pennsylvania Virginia West Virginia	23 1 392 107 491 593 368 215	16 1 308 89 369 519 264 157	70 100 79 83 75 88 72 73	23 1 312 122 381 542 335 163	2 42 19 20 33 6	1, 000 265 7, 346 2, 565 4, 450 18, 336 7, 085 4, 623
Region 3	2, 851	1, 609	56	2, 132	101	43, 337
Al: bama. Florida. Georgia. Mississippi North Carolina. South Carolina. Tennessee.	388 470 582 398 342 266 405	105 308 434 85 247 182 248	27 66 75 21 72 68 61	108 415 525 85 386 337 276	4 25 18 2 15 11 26	2, 416 8, 900 10, 624 2, 147 4, 811 6, 702 7, 737
Region 4	3, 218	2, 139	66	2, 431	144	55, 655
Illinois. Indiana. Michigan Missouri. Wisconsin.	700 453 718 673 674	478 408 628 133 492	68 90 87 20 73	570 409 647 146 659	19 18 62 3 42	13, 738 8, 758 15, 230 4, 089 13, 840
Region 5	3, 650	1, 450	40	1,776	77	51, 007
Arkausas_ Louisiana New Mexico Oklahoma Texas	645 445 393 429 1,738	151 142 273 134 750	23 32 69 31 43	173 142 449 134 878	13 12 3 49	2, 923 3, 077 18, 148 4, 633 22, 226
Region 6	4, 362	2, 680	61	4, 260	108	73, 680
Colorado Iowa Kansas Minnesota Nobraska North Dakota South Dakota Wyoming	453 622 634 853 588 404 398 410	481 249 178 492 352 355 310 263	106 40 28 58 60 88 78	492 554 241 1,100 644 538 428 263	6 19 7 31 9 32 4	6, 515 15, 726 4, 203 18, 809 9, 700 11, 803 4, 160 2, 764
Region 7.	5, 573	2, 507	45	3, 486	221	59, 759
Arizona. California. Idaho. Montana Nevada. Oregon Usan Washington	507 1, 249 596 748 770 860 367	246 628 218 464 135 315 204	47 50 1 37 62 1 18 39 56	983 414 575 162 439 210	33 51 23 61 4 18	1, 900 20, 368 7, 306 10, 166 1, 417 7, 628 3, 174

Data for some States are for a month earlier than June. As of June 30, 1956, the total number of ol rvation posts organized was 17,690 and the total number of active volunteers was 351,089.

TRAINING SCHOOLS

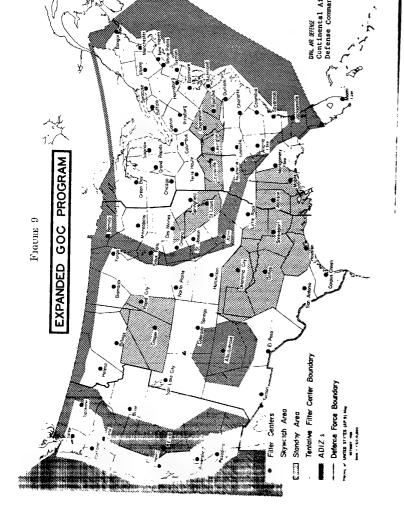
FCDA operates a Staff College in Battle Creek, Mich., and a Rescue School at Olney, Md. In these centers civil defense training is carried on under the Act of Congress creating the agency which authorizes it to "conduct or arrange, by contract or otherwise, for training programs for the instruction of civil defense officials and other persons in the organization, operation, and techniques of civil defense; conduct or operate schools or classes * * *, and provide instructors and training aids as deemed necessary."

The Staff College in Battle Creek has specialized in training civil defense administrative officials in its 1-week administration course. Its other basic courses of at least one week are (a) an operations course covering problems a local civil defense organization would face in an enemy attack, and (b) an evacuation course dealing with the techniques and problems of evacuating a target area. In addition it conducts numerous special courses and conferences for the orientation of Government employees and for instruction of specialized and technical groups such as communications specialists, police officers, fire fighters, engineers, public health officials, the clergy, industry representatives, and others.

The Rescue School at Olney, Md., normally conducts three basic courses: (1) a 2-week basic course for instructors who, presumably, will promote and carry on rescue training work in the States and cities, (2) a 1-week light rescue course, and (3) a 1-week advanced rescue course.

As of June 30, 1956, some 13,625 people had been trained in FCDA schools. (There is undoubtedly some duplication in this figure where the same person completed two or more courses.) A total of 6,406 had completed one of the basic courses and 7,219 attended the special courses and conferences, most of which lasted 2 or 3 days. In fiscal year 1956 a total of 1,204 people completed one of the basic courses and 1,044 received instruction in the special courses and conferences. The following table shows detailed figures and the chart shows the trend of training in the various basic courses.

Basic course	Number of persons trained			
of the company, at a	Prior to fiscal	Fiscal year	Total	
Administration Operations Rescue instructor Light rescue Advanced rescue Vacqueign	3, 964 207 965	311 176 173 255 22	4, 27, 38, 1 13, 25,	
Subtotal Special courses and conferences IA-RDP80B01676R001090030001-9	5, 202 6, 175 11, 377	267 1, 204 1, 044 2, 248	6, 406 7, 219	

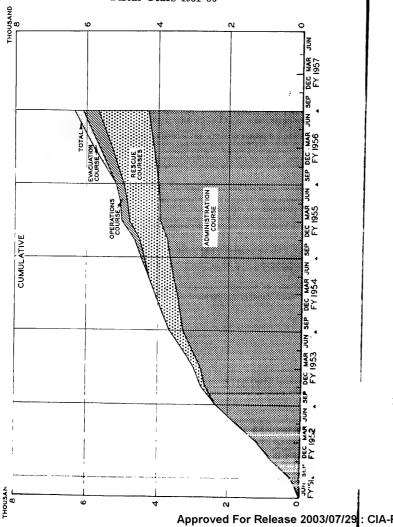


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All basic courses are of 1 week duration, except rescue instructor which is 2 weeks.

FIGURE 10 PERSONS COMPLETING BASIC CD COURSES

Fiscal Years 1951-56



Persons Completing Basic CD Courses by Region and State, 1951-56

Students in basic civil defense courses have come from every State in the Union. Most of the Territories and possessions have sent people for training also. A total of 454 persons from California has received training. Five other States have benefited by having 200 or more persons trained, namely, Maryland (310), Ohio and Okla-

Region and State	Number of persons	Region and State	Number of persons
Total	6, 406	Region 6	29
Region 1	633	11	
	000	Colorado Iowa	
Connecticut	131	h.ansas	11
Maine Massachusetts	29	VIIInpesota	7
New Hampshire	132	Nebraska	4.
new Jersev	$\frac{24}{129}$	North Dakota	-
-vew rork	139	South Dakota	•
Khode Island	42	Wyoming	1 1
Vermont	7	Region 7	696
Region 2			620
egion Zazazazaza	1, 246	Arizona	55
Delaware	87	California	454
Dist. of Columbia	89	Idaho	11
Kentucky	42	Montana Nevada	4
warviand	310	Oregon	3
Ohio	281	! Utan	35 12
Pennsylvania Virginia	138	Washington	46
West Virginia	248		
	51	Territories and possessions	70
Legion 3	465	Alaska	15
Alabama		American Samos	19
Florida	48	Canai Zone	6
Georgia	181 64	Guam	2
	17	Hawaii Puerto Rico	31
-NOTED CAPOLING	39	Virgin Islands	11
gould Carolina (14	riigiii Islalius	5
Tennessee	102	Other	1, 979
egion 4	531	FCDA	
!		Department of De-	663
Illinois	80	fense	854
Indiana Viengen	121	Other Federal Assault	604
Michigan Missouri	211 "	Cles	302
Wisconsin	43	Foreign	160
		!	
	571 ;	!	
L. Leising IL	7 (1	i	
Louisiana	190	1	
New Mexico	19		
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homa (281 each), Virginia (248), and Michigan (211). Each of the other States had a smaller number ranging down to less than 10 people for 7 States and some of the Territories and possessions. Many of the people trained have been sent by Federal Agencies in which they are employed and 160 people have come from foreign countries. The figures in table on page 53 include some duplication where the same people completed more than one basic course.

FCDA Training School Extension Program

In addition to the training activities at FCDA's Staff College in Battle Creek, Mich., and its Rescue School at Olney, Md., a program of training is going forward in the States to assist them in developing their own training programs.

Under one phase of this plan an agreement is made with the State civil defense office which calls for the presentation of an initial Civil Defense Administration Course in the State by a traveling team of FCDA instructors. Some institution of higher learning within the State serves as a cooperating agency, and its facilities are utilized. Among those taking this course are university faculty members, as well as key State and local civil defense personnel who will serve as instructors in subsequent State courses. The State agrees to present the same type of course at least twice a year for 3 years under terms of a contract. Some financial assistance is furnished the State by FCDA for the initial course.

ADMINISTRATION COURSES GIVEN BY FCDA TRAVELING TEAMS

State	Date of FCDA course	People trained by FCDA staff
Wisconsin Tennessee Maine Maryland Louisiana	Aug. 9-14, 1954 Oct. 4-8, 1954 Nov. 15-19, 1954 May 23-27, 1955 June 19-23, 1955 Sept. 5-9, 1955 Sept. 19-23, 1955 Oct. 24-28, 1955 Mar. 5-9, 1956 Apr. 2-6, 1956	50 73 30 28 58 49 46 58
Total	10 courses	477

The Burnet Hese State whose mad given by an PCDA marching team in Ohio in August 1954. Through June 30, 1956, a total of 10 Civil Defense Administration Courses had been given in as many Approved For Release 2003/07/29 CIA-RDP80B01676R001000030001-9

States with a total of 477 persons having been trained. Eight of the States had repeated the course one or more times to an additional 591

ADDITIONAL ADMINISTRATION COURSES GIVEN BY STATES

State	Number of courses	People trained
Ohio		130 111 13: 60 53: 36: 31
Total	15 courses	591

In a second phase of this program FCDA traveling teams have gone into the field and presented special courses to specialized groups. These have been made in response to requests from the States and in accordance with arrangements worked out by the States and FCDA regional offices. Four such courses were given during the first six months of 1956 to 202 persons.

SPECIAL COURSES GIVEN BY FCDA TRAVELING TEAMS

Location	Designation	Date	People trained
Dallas, Tex Dallas, Tex Monroe, La Kansas City, Mo	Federal employees	Feb. 15-17, 1956 Feb. 20-21, 1956 Mar. 12-14, 1956 Apr. 9-11, 1956	30

Police Institutes

FCDA has provided instruction in civil defense police functions and problems in civil defense to groups in 14 cities. These institutes are conducted by experts in the field at FCDA expense in cooperation with State civil defense and police officials and under guidance of FCDA staff members—Some 1,824 people had participated in these institutes as of June on man those ware chiefly police officers, sheriffs, auxiliary police, regional civil defense officials, and military personnel.

Fiscal Year 1952-56

Location	Date	Attend- ance	Location	Date	Attend- ance
Portland, Oreg. Louisville, Ky	May 10-20, 1952 Apr. 8-9, 1953 Oct. 20-21, 1953 Feb. 9-10, 1954 Mar. 30-31, 1954 Apr. 7-8, 1954 June 23-24, 1954	174 130 88 589 108 124 102 100	College Park, Md Camp Perry, Ohio Indianapolis, Ind Springfield, Ill Olney, Md Total.	Nov. 9, 1954 May 15-16, 1955 Apr. 19-20, 1956 May 14-15, 1956 June 19-20, 1956	150 73 48 83 55 1,824

Emergency Traffic Control

Efficient use of highways and control of traffic are among the problems that would be faced in the event of enemy attack and attempted prior evacuation. As one step toward preparation in this field FCDA, in conjunction with the staff of Northwestern University Traffic Institute, developed a course of instruction on emergency supervision and regulation of street and highway traffic for civil defense purposes. This course has been given at FCDA expense in 15 cities for the benefit of State and local traffic control officers and other civil defense officials. Some 489 persons have received this training, 188 representing the States, 230 representing civil subdivisions, 21 representing the Department of Defense, and 50 other civil defense officials—mostly employees of FCDA national and regional offices. Of the 418 representing States and civil subdivisions, 248 were police traffic supervisors, 90 were traffic engineers, 37 were civil defense highway transportation officials, and 43 were other civil defense officials.

COURSES PRESENTED

Location	Date	Attend- ance	Location	Date	Attend- ance
Evanston, Ill	Feb. 18-29, 1952 May 26-June 6, 1952. July 14-25, 1952 Sept. 8-19, 1952 Sept. 29-Oct. 10, 1952. Nov. 10-21, 1952	21 23 27 38 28 41	Lowry AF Base, Denver, Colo. Lansing, Mich. Monroe, La Columbus, Ga Louisville, Ky Buttle Creek, Mich. Detroit, Mich.	Sept. 14-25, 1953 Dec. 7-11, 1953 June 8-10, 1954 Nov. 15-19, 1954 Jan. 10-14, 1955 Mar. 21 25, 1955 Dec. 5-9, 1955	30 27 26 12 18 36 40
Calif.	1	71	Total		489

ANNUAL REPORT Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001m9rense ADMINISTRATION

ENROLLMENT REPRESENTATION

	June 30, 1955	July 1, 1955 to June 30, 1956	Total June 30, 1956
Total	449	40	489
StatesSubdivisions	182 203 21 43	6 27 0 7	188 230 21 50

MOTION PICTURES

FCDA has recognized the importance of motion pictures as a training aid for use both in formal instruction courses and for general public education. Almost from the beginning of the agency, work has gone forward in the production of civil defense films. Some of them have been produced at FCDA cost. Others have been sponsored by commercial enterprises and produced at no cost to FCDA. A variety of fields and situations have been covered—survival, shelter, evacuation, and expected damage in the event of attack. Most of the films have been cleared for television use and are available also for use in schools, churches, and civic organizations.

Some of the earlier films released have been withdrawn because changing concepts and new weapons have made them obsolete.

The following lists show the films which are now completed and available and those in process for release in the future.

FILMS COMPLETED AND AVAILABLE

Name	Black and white or color	Running time (minutes)	Date released
A New Look at the H Bomb. Atomic Attack ! 1 Big Men in Small Boats ! Bombproof : ONE LRAD ! . Possage Route! Proutlines of Freedom . House in the Middle, The . House in the Middle, The ! Let's Face it . Let's Face it . Let's Face it . Let's Face it . Deration Doorstep ! Deration Doorstep ! Deration Toy Dorsten . Deration Toy Dorsten . Deration Toy	B&W Both Both C B&W B&W C B&W Both C Both C B&W Both C	(3) 13 63/2 12 13/4 13/4 13/4 10 28 11/4 10 14 10	Jan. 1956 May 1955 Aug. 1955 Feb. 1954 Jan. 1955 Oct. 1953 1954, Aug. 1955

Sponsored and/or financed by a commercial organization with cooperation of FCD

For release in August 1956

NEW FILMS IN PROCESS

Atomic Torch (Mass Fire Fighting) Big Voice, The (Gary, Ind., Exercise 1956 Alert) Church in Civil Defense Civil Defense for Industry Civil Defense Week Documentary Disaster Documentary Facts About Fallout Farm Civil Defense Helicopters in Civil Defense High Yield Weapons Effects Nerve Gas Casualties

Operation Alert 1956 Operation Kids (Evacuation of Schools) Operation Scramble (Hospital Evacuation, St. Louis) Stroudsburg Story (Delivery of drinking water during Natural Disaster)
Tomorrow Today
(Series of 13 TV ¼-hr. programs—embracing various civil

defense subjects)

FILMSTRIPS

Filmstrips are one of the most effective training aids in civil defense. Filmstrips, dealing with a wide variety of civil defense subjects, have been produced by FCDA and in most cases have been interwoven with lesson units and training courses available to civil defense and other organizations. States and local subdivisions can purchase these materials under the Federal-State Matching Funds Program by submitting applications to the FCDA regional offices.

Following are the titles of filmstrips now available and those currently in process.

FILMSTRIPS COMPLETE AND AVAILABLE

Title	Da relea		Title		Title Data releas		
Public Information			Training				
Civil Defense Against Biological War- fare Civil Defense of Animals Against	June	1956	What You Should Know About Radioactive Fallout Skills Training Series:	Jan.	1956		
Biological Warfare Civil Defense of Man Against Biolog-	June	1956	Emergency First Aid Fire Fighting—Part I	Sept.			
ical Warfare Civil Defense of Plants and Crops		1956	Fire Fighting—Part II Handling and Care of Ladders	Sept.	1953		
Against Biological Warfare Improvised Hospitals (2) Operation Cue	May	1956 1954 1955	Lowering and Raising Casualties on a Stretcher Pick-ups, Carries and Trags	Sept.	1953		
Role of the Warden in Fire, The Role of the Warden in Rescue, The	May Dec.	1953	Ropes and Knot Tying—Part I	Sept. Sept. Sept.	1953		
Warden's Responsibility for Emer- gency Sanitation, The	Dec.	1953	Using a Ladder as a Stretcher. Using Improvised and Regular	Sept.			
			Stretchers Using Ladders in Rescue	Sept. Sept.	1953 1953		

FILMSTRIPS IN PROCESS

Public Information

Civil Defense Against Biological Warfare 1

Conducting a Neighborhood Civil Defense Meeting Evacuation of Neighborhood Handi-

capped Persons

Facilities and the Block Warden Organization

Mobilizing the Neighborhood for Evacuation Preparing your Neighborhood for

Evacuation Role of the Warden in the H-Bomb

Era,1 The Shelter from Fallout

Your Family Evacuation Plan

Training

Warden: Block Census, The Map Making for Wardens Role of the Warden in Receiving and Billeting Evacuees, The

Industry:

Establishing Protective Shelters in Industry Evacuation of Industrial Plants Moving Industrial Workers into Shelters

Organizing for Civil Defense Protection in Industry

Eliminating Hazards to Civil Defense in Industry

Planning Civil Defense Protection in Industry

Rescue:

Damage Survey for Rescue Workers

Reconnaissance and Rescue by Stages

Rescue from Basements Rescue Squad Operations

Rescue Tools and Techniques Welfare:

Registration and Information Welfare Program in Civil Defense. The

Emergency Mass Feeding

RADIO AND TELEVISION

Radio and television are most effective means of getting a message to a large number of people in the shortest possible time. FCDA uses them in three principal ways: (1) by providing specially prepared spots, films, and programs to stations throughout the country to keep reminders of civil defense constantly before the public, (2) by integrating civil defense information into regular network broadcasts either by personal appearances of civil defense people or the material into the usual format of programming, and (3) by preparing special civil defense programs for actual use on radio networks, such as the current programs on the Mutual Broadcasting System entitled "By the People," and "Dateline Defense." Radio materials are usually recorded on transcription platters and distributed to every station in the United States and the Territories. TV materials are put on film and likewise sent to all stations. A list of available materials appears below.

[·] Filmograph.

MATERIALS AVAILABLE

RADIO TRANSCRIPTIONS

		.0115
Title	Running time	Explanation
CONELRAD Spots	21 to 53 seconds	Well-known commentators.
CONELRAD Spots	19 to 50 seconds	
CONELRAD Spots (Series II)	1 minute	Novelty—humorous.
Dramatized Spots	1 minute; 20 seconds;	form
Firefighting for Householders	1 minute	Spot announcement.
Firefighting for Householders	18 seconds	Do.
Firefighting for Householders	14½ minutes	Radio program. Dramatic CONELRAD program.
"No Second Chance"	141/2 minutes	Dramatic CONELRAD program.
Personality Spots	Various	Civil defense announcements by leading stars of radio and television.
Religious Spots		
Store for Defense 1	14 minutes each	Musical programs with top singing stars.
Stars for Defense ¹ The Farmer and Civil Defense ¹	29½ minutes	Roundtable discussion between Gover- nor Peterson, Undersecretary of Agri-
	ł	culture True D. Morse, and leaders of
This is Civil Defense	15 minutes each	national farm organizations. Series of 13 dramatic programs.
Т	ELEVISION MATER	IAL
CONELRAD	20 seconds	Film spot.
Star TV Film Spots 1	1 to 5 minutes	Famous stars give civil defense messages. Station break call letters slide.

¹ For release in September 1956.

PUBLICATIONS

FCDA has published and distributed a large number of publications dealing with various aspects of civil defense in accordance with provisions of the basic law creating the Agency which authorized the Administrator to "publicly disseminate appropriate civil defense information by all appropriate means."

As of June 30, 1956, more than 145,000,000 copies of publications had been distributed and sold. Many of these were administrative and technical manuals, bulletins, guides, and handbooks for use of civil defense officials and for training and educational purposes. Many others were issued for the information and guidance of the general public. These included numerous small booklets, leaflets, and cards on specific aspects of civil defense. The following table shows the number of copies distributed and issued in fiscal year 1956.

Material Distributed and Issued in Fiscal Year 1956

	abbaca in 1.18cai 16	ar 1956
Administrative guides		
		95, 968
		33, 970
Instructor's guides Manuals		693, 149
Manuals		135, 205
ManualsPostersProgram guides	*******	8, 420
Program guides	*	526, 662
Public booklets Technical bulletins		50, 310
Technical bulletins Technical manuals	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	5, 192, 314
Technical manuals Technical reports		901, 422
		294, 767
Training and education bulletins Training bulletins		82, 611
		5, 227
Volunteer manpower Miscellaneous publications		29, 012
Miscellaneous publications		11,610
		40, 655, 972
Total		

¹ Does not include sales by Superintendent of Documents, Government Printing Office. In addition, at the year's end 1 instructor's guide, 4 technical bulletins, 1 technical report, and several miscellaneous publications were at the printer or otherwise in printing process, and will be distributed early in fiscal year 1957.

Many publications issued in early stages of the program became obsolete in the light of more recent developments and weapons and consequently have either been revised or replaced by new publications with later technical information. The following list shows the publications currently available. All of these are available from FCDA in Battle Creek, Mich., and most of them can be obtained also from the Superintendent of Documents in Washington, D. C.

PUBLICATIONS Available as of June 30, 1956

	1, 1000	
Identification	Title	Publication date
	Administrative Guides	
AG-6-1 AG-7-1 AG-8-1 AG-9-1	Supply Service, The Warden Service, The Principles of CD Operations	Ang 1051
AG-10-1	Police Services	Oct. 1951
AG-11-1	Health Services and Special Weapons Defense	June 1952 1 ∫Dec. 1950
	Grand Marketing	reb. 1952
AG-13-1	Fugineering Q	July 1952:
AG-16-1	Rescue Service, The CD in Industry and Institutions Clergy in Civil Defense, The	July 1952 :
⊂ βae forthare a	D04676D004000020004 G	Oct. 1951

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	PUBLICATIONS—Continued			PUBLICATIONS—Continued	Š
Identification	Title	Publication date	Identification		12.5
	Handbooks			D. I.V.	Publication da
		Dec. 1951	70.	Public Booklets	1
H-3-1	Annotated CD Bibliography for Teachers	Sept. 1955 ¹	PA-2	1 Add Tod Should Know About Riological W	1051
		Feb. 1956 ¹ Apr. 1956 ¹	PA-3	This is Civil Defense	- 1951 ∫May 1951
H-11-1	Before Disaster Strikes-What to Do Now About	Aug. 1953	PA-4	Fire Fighting 6	
	Emergency Sanitation at Home	Mar. 1954 1		and a ground for frouseholders	∫Oct. 1951
		Oct. 1955 ¹ Mar. 1956 ¹	PA-5	Emergency Action to Save Lives	[July 1051
H-11-2	Before Disaster Strikes-What the Farmer Should	(Ang 1954	PA-7		
	Know About Biological Warfare	Apr. 1955 ¹ Nov. 1955 ¹	PA-F-1	out - Should Know About Radioactive Fall- Mr. CD Reporting for Duty. Shake Off That Spring Fever - You and the Welfare Program	June 1955 June 1956
		Feb. 1956 ¹	PA-F-2	Shake Off That Spring F	1956
H-25-2	Civil Defense Glossary	∫Feb. 1956	PA-F-3	You and the Welfare Program	1956
	5111 D 000100 G100000 J = = = = = = = = = = = = = = = =	June 1956 ¹		G	1956
	Instructor's Guides			Technical Bulletins	
700	CLUI TO A L. TO		TB-4-1	Advantages of FM over AM for Civil Defense Com-	
IG-3-1 IG-3-2	Skills Training Films Basic Course for Civil Defense	Aug. 1954 Feb. 1955		munications in the Frequency Bands 50 Megacycles per Second and Un	{Oct. 1953
IG-3-2	Civil Defense Instructor's Course	Feb. 1955 Feb. 1956	TB-4-2	Radio Frequency Allegation	Dec. 1953
IG-11-1	Veniningfure and Intravenous Procedures	Aug. 1954		Radio Frequency Allocation Plans for Disaster Com- munications Service and Radio Amateur Civil Emergency Service	(= 50. 1000
IG-14-1 IG-19-1	Basic Rescue Course Introduction to Radioactive Fallout	Jan. 1956	TB-4-3	Emergency Service and Radio Amateur Civil National Communications Priorities	Ost 1050
10-10-1	Introduction to Italioactive Panout	Sept. 1955	TB-5-1	Interim Decign Chands 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Oct. 1953 Sept. 1955
	Manuals			Interim Design Standards for Protective Construc- tion in Industrial Structures	
M6-1	Standard Item Specifications	Feb. 1952	TB-5-2	Shelter F P. V	Apr. 1954 (Sept. 1955
M25-1	Federal Contributions	Oct. 1954		Shelter From Radioactive Fallout	Oct. 1955 1
M27-1	C		TB-7-1		Jan. 1956 1
M27-1 M27-2	Survival Plan Manual (Advance) Survival Plan Workbook (Advance)	Sept. 1955 Dec. 1955	TB-8-1	The Role of the Warden in Panic Prevention	Nov. 1954 Sept. 1955 i
		Dec. 1300	TB-11-1	Emergency Exposured weapons of Larger Sizes	Feb. 1955
	Posters		TB-11-2 TB-11-3	Personal Designation	Mar. 1952
	"Alert America"	Apr. 1952	10-11-3	The Most Promising Personal Dosimeters for Civil	Apr. 1952
	Civil Defense—Part of Our Tradition	May 1954	TB-11-4	Development Status of D.	Apr. 1952
	Disaster Strikes Suddenly (Car Cards)	i Sept. 1953	TB-11-5 TB-11-6	Emergency Pland To Castlar Dosimeters	Apr. 1952
	Fiddling's Fun Go Join Civil Defense	May 1954 June 1954	11-0	Emergency Blood Grouping Laboratory Techniques	Nov. 1952
	In Case of Air Raid (Billboard)	Tuly 1055	TB-11-8	Permissible Emerge	Nov. 1952
	In Case of Air Raid (Car Cards)	Mar. 1955	TB-11-9	Water and Food	Dec. 1952
	Natural Disaster Mr. Civil Defense	1956 1956	12-11-9	Emergency Measurement of Radioactivity in Food and Water	Sept. 1955 1
	Official CD Identification	July 1954	TB-11-10	Responsibilities for D	Dec. 1952
	Partners in Defense Radioactive Fallout Poster	1956			May 1953
	Recruiting	Tan 1053	TB-11-11	Use of Tourniquet in Controlling Hemorrhage	Apr. 1956 ¹ June 1953
	Rescue Training Poster	July 1955	TB-11-12	Civil Defense II	Aug. 1955 :
	They Serve to Protect	Aug. 1954	1		951
	Program Guides		TB-11-13	The ECDA Current	Teb. 1954 uly 1954
	•	,	TB-11-14	Revised Instant	ent 1055.
	Needed—Home Nursing for Civil Defense	Feb. 1955	TB-11-15	Revised Instructions for Shipping Blood	uly 1954
→ faotnote :	t end of table		TB-1:-10	Phosphate Glass Dosimetry Winimum Potable Water Supply Requirements in A	Aay 1956 :
			Tun	Civil Defense Emergencies Requirements in /A	ug. 1954
			TB 11 18 1	Subspices Emergencies. [A A Totection Against Fallout Radiation Against Fallout Radiation	pr. 1950
			TB-11-20 F	Sological Warters Against Public Water Supply - A Totection Against Fallout Radiation - Stadiological Instruments for Civil Defense - Send of table.	pr. 1955 ent. 1955
			See footnote at e	and of table	ept. 1955
	Approved For D	Noseo 2003/07	120 · CIA PDP80B0	11676D011000030001_9	

ANNUAL REPORT Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9 PUBLICATIONS—Continued

Identification	Title	Publication date		PUBLICATIONS—Continued	
	m 1 . 1 p n		Identification	Title	Publication da
	Technical Bulletins—Continued				- rubileation dat
TB-11-21	Fallout and the Winds	∫Oct. 1955		Technical Manuals—Continued	
		Feb. 1956 Dec. 1955	TM-11-	Organization and Operation of Civil Defense Casualt;	
TB-11-22	Radiation Physics and Bomb Phenomenology	June 1956 1	TO A 11 A	Services, Part I—The First-Aid System Organization and Operation of Civil Defense Casualty Organization and Operation of Civil Defense Casualty	У
TB-11-23	Promotion of an Emergency Hospital Exhibit	Apr. 1956	TM-11-8	Organization and Operation of Civil Defense Casualty Services, Part III—Medical Personal Process of Casualty Services.	Jan. 1953
TB-13-1	Engineering Equipment Stockpiled for Emergency	7 4050		alty Services, Part III—Medical Records for Casualties	∫Mar. 1952
TB-13-2	Water Supply Use	June 1952			- Oct. 1952 1
	Sets	Sept. 1953	TM-11-5	Blood and Blood Derivatives Program	Apr. 1952
TB-13-3	Preliminary Report of Tests of Thermal Type				Jan. 1953 ¹
TB-13-4	Atomic Bomb Air Zero Locators	Oct. 1953	TM-11-6	Radiological December	Mar. 1952
10-15-4	Blast and Thermal Radiation of an Atomic Bomb	Oct. 1953		Radiological Decontamination in Civil Defense	- Sept. 1952 1
TB-13-5	Utilization of FCDA Stockniled Lightweight Steel	Oct. 1900	TM-11-7	True and	July 1955 1
mm	Pipe and Centrifugal Pumps. New Check Valve and Priming Instructions for	Dec. 1953	1 M-11-7	or and or	June 1952
TB-13-5	New Check Valve and Priming Instructions for	D. rore	TM-11-8		
Supp. TB-13-6	FCDA Centrifugal Pumps Utilization of FCDA Stockpiled Portable Water	Dec. 1954	TM-11-9	The Dentist in Civil Defense Civil Defense Against Biological Warfare	Apr. 1953
	Purifiers and Storage Tanks	Apr. 1954	TM-11-10		
TB-13-7	Utilization of FCDA Stockpiled Flexible Vinyl	_	TM-11-10 TM-11-11	Civil Defense Against Biological Warfare	Apr. 1954 1
TB-13-8	Film Utilization of FCDA Stockpiled Mobile Chlorin-	Apr. 1954	TM-11-11	Civil Defense Against Biological Warfare The Veterinarian in Civil Defense The Veterinarian in Civil Defense (Errote)	Jan. 1955
TD-19-9	stors	Apr. 1954	TM-11-12	Morthary Services in Cinal D.	. Aug. 1955
TB-13-9	ators_ Restoration of Gas Facilities in Civil Defense Emer-	Apr. 1994	TM-12-1 TM-13-1	Registration and Information Service	Apr. 1956
mm 10 10	gencies	May 1954	1 M-19-1	Utilization and Control of Streets and Highways in Civil Defense Emergencies	May 1954
TB-13-10	Sewage Works Facilities in Civil Defense Emergencies	T 7054	TM-13-2	Civil Defense Emergencies. Operation and Repair of Ways.	Jan. 1953
TB-13-11	Plastic Patching for Emergency Pipe Repairs	June 1954 Apr. 1955		Defence The literal of Water Facilities in Civil	i
TB-14-1	Construction and Adaptation of Structures for	(Dec. 1952	TM-13-3	Clearance and Restoration of Streets and High- ways in Civil Defense Frances	Sept. 1953
TD 10 1	Rescue Training	Nov. 1953 ¹	TM-14-1	ways in Civil Defense Emergencies. Rescue Techniques and Operations	Apr. 1954
TB-16-1 TB-16-2	Casualty Services in Facilities Protection of Vital Records and Documents	Aug. 1953 May 1955	TM-16-1		Sept. 1953
TB-16-3	Industry Defense—Sources of Reference and	Dec. 1955		Civil Delense in Schools	∫Apr. 1952
	i Unidance i	l Iuno 1056 1	TM-27-1	Procedure for Evacuation Tour	Oct. 1952 1
TB-16-4 TB-19-1	Industry Defense Checklist	Apr. 1956	TM-27-2	Studies Studies Irame Movement Planning and Organizing for Civil D.	Nov. 1955
TB-19-2	The Radioactive Fallout Problem The Problem of Panic	June 1955 June 1955	_	Operations Operations	∫Nov. 1955
TB-27-1	Evacuation of Civil Populations in Civil Defense	(Feb. 1955	i		\Jan. 1956 ¹
	Evacuation of Civil Populations in Civil Defense Emergencies	Oct. 1955 1		Technical Reports	
TB-27-2 TB-27-3	Evacuation Checklist The Role of the Warden in the H-Bomb Era	May 1955	TR-4-1	The Effectiveness of G	
110-21-0	The Role of the warden in the H-Bomb Era	Aug. 1955	FFD -	The Effectiveness of Sonic Outdoor Warning Devices Preliminary Report Operation Figure 1	
	Technical Manuals		TR-9-1 TR-11-1	Preliminary Report Operation Firestop Effects of Nuclear Explosions User D	July 1954
mar 4.1 :	0-41 77 1 75 1 6 1	Oct. 1951	TR-27-1	Effects of Nuclear Explosions Upon Drugs	Jan. 1955 Mar. 1955
TM-4-1	, B = 0.100 bJbtomb=1=======	July 1952 1	TR-27-2	Scientific Study of the D	Sept. 1955
TM-5-1	Shelter from Atomic Attack in Existing Buildings,	****	T'D om o	New York City	=
	Part I—Method for Determining Shelter Needs and Shelter Areas	Feb. 1952 July 1952	TR-27-3	Spontaneous Leadership in a Civil Defense Evacuation Exercise	Oct. 1955
TM-5-2	Shelter from Atomic Attack in Existing Buildings	(ania 1897 ,	TR-27-4	ation Exercise Operation Exit	Oct. 1955
,	Part II—Improvement of Shelter Areas	May 1952	TR-27-5	Operation Green Light	June 1956
TM-5-3	Interm (inide for the Design of Buildings France)	•		TUBILLY TABLE	June 1956
TM-5-4	to Atomic Blast Windowless Structures—A Study in Blast-Resist-	June 1952		Training Bulletins (Officer Series)	
114-0-4	ant Design	`Tan 1952	No 1		
TM-5.5	Uome Shelters for Family Protection Civil Defense Urban Analysis	July 1953	No. 2	Determining Civil Defense Training Needs	Jan 1952
TM-8-1	Civil Defense Urban Analysis	July 1953	No 4	Cotting Co	Feb 1059
1 71-4.1	Using Shelters for Family Protection Civil Defense Urban Analysis Water Supplies for Wartime Fire Fighting	July 1951	No 9	Limptoring Civil Defense Instruction: Planning	Apr. 1952
TM-9-2			No. 8		May 1952
		Sept. 1955 1	No. 9	Visual Aids	Aug. 1952
	it end of table. Approved For Re	Alaaca 2002/07	1/20 CIA DIDDOND	0.1876D0010000000000000000000000000000000000	Oct. 1952

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CONELRAD—Pamphlet.....

PUBLICA	TIONS-	Continued

	PUBLICATIONS—Continued			PUBLICATIONS—Continued	
Identification	Title	Publication date	Identification	Title	Publication date
	Training Bulletins (Officer Series)—Continued			${\it Miscellaneous}$ —Continued	
No. 10 No. 11 No. 13 No. 14	The Block Census The Role of the Warden in Rescue Reconnaissance Functions of the Block Warden Conducting a Naighborhood Civil Defense Meeting	Jan. 1953		Four Wheels to Survival Home Protection Exercises—A Family Action	Oct. 1955 Feb. 1956 Aug. 1953 June 1954
No. 15 No. 16 No. 17	Conducting a Neighborhood Civil Defense Meeting- Facilities and Block Warden Organization	Apr. 1953 Apr. 1953		Home Protection Exercises (Exercise No. 1)	June 1955 1 Mar. 1956 1 1955
No. 18 No. 22	The Warden Post Message Center Rescue Tools and Their Application to Rescue Techniques Organizing a Neighborhood for Survival			Lean-To Shelters Leadership Guide—National Civil Defense Week National Plan (Advance) Natural Disaster Manuel	June 1953 May 1956 May 1956
No. 23 Unnumbered	Organizing a Neighborhood for Survival	Jan. 1954 May 1953		National Plan (Advance) Natural Disaster Manual Operation Doorstep —2% Seconds—Brochure Operation Doorstep Booklet Outdoor Shelters	May 1956 June 1953 Mar. 1953 June 1953
No. 1	How to Maintain a School Bulletin Board on Civil Defense	Jan. 1952		Rural Family Defense. Seal—CD Week "Alert Today" Shelter Designs. Signs of Our Times. Signs of Our Times.	1956
No. 2 No. 5 No. 7	What Teachers Should Know About Civil Defense Motion Pictures for Civil Defense Education What Teachers Should Know About Atomic War-	Mar. 1952 July 1952 Mar. 1953		Signs of Our Times. Six Steps to Survival. Special Course for Clergymen, A. States, Counties, and Cities in Civil Defense, The	Oct. 1952 Mar. 1955 Feb. 1956 Mar. 1955
	fare Miscellaneous	Mar. 1955		Target Areas for Civil Defense	July 1953 1
	AEC—A Report by the United States Atomic Energy Commission on the Effects of High Yield Nuclear Explosions			United States Civil Defense	May 1956 Sept. 1955 1950
	Alert Signal Annual Report—1951 Annual Report—1952	July 1955 1956 1952 1953		What You Can Do Now	Jan. 1956 Oct. 1952 Mar. 1954 ¹ Feb. 1956 ¹
	Annual Report—1954 Annual Report—1955 Annual Statistical Report—Fiscal Year Report 1955 Atomic Blast Creates Fire	1954 1956 1955 Sept. 1951	¹ Revised.	TRAINING EXERCISES	
	Civil Defense and National Organizations. Civil Defense Household First Aid Kit	May 1951 June 1951 June 1954	sible use of m	of developing civil defense preparedness again andern atomic and hydrogen weapons is withou	t precedent
	Civil Defense Rescue Training—Brochure	Dec. 1955 1 June 1954	or the Unite	d States. Consequently basic policies, plans to be evolved and developed at all governm d practice exercises have been one means used	s, and pro- nent levels.

Sept. 1953 Apr. 1955 Dec. 1955

Apr. 1956 1955

June 1958

Aug. 1951 Aug. 1953 June 1952 May 1956 July 1955

sible use of modern atomic and hydrogen weapons is without precedent in the United States. Consequently basic policies, plans, and procedures had to be evolved and developed at all government levels. Training and practice exercises have been one means used to test and develop proposed plans. Many training exercises have taken place throughout the country as State and local civil defense organizations developed projects in which testing was useful. Such exercises have been especially useful in testing evacuation plans, reception area plans, mass feeding and other mass care programs, warning and communication systems, as well as in training specific groups of civil defense workers in the performance of their emergency duties.

The following table lists State and local training exercises that have Exactation Signal
Facts About Civil Defense (Speakers Kit)
May 1955
Mar. 1955
Facts About Fallout
May 1955
Mar. 1955
Feb. 1955
Feb. 1955
Feb. 1955
Feb. 1955
Figh 1955
Feb. 1955
Feb. 1955
Figh 1955
Feb. 1955

Damage from Atomic Explosion and Design of Protective Structure...

Emergency Mass Feeding Instructor Course.

Employee Handbook
Evacuation Advertising Kit.
Evacuation Signal
Facts About Civil Defense (Speakers Kit)
Facts About Fallout
Facts About Fallout
Facts About The Handbook
Facts About The Handbook
Facts About Fallout
Facts About The Handbook
Facts About The Hand See footnote at end of table

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By Region

location	Operation name and date	Object or description	Area or facilities involved	Approximate number of participants	Time
-		REGION 1			1
Filliord	CPX, May 7, 1956. Control Center Demonstration, May 20, 1956. "Emergency Mass Feeding," May 20, 1956. "Communications Drill," Friday, once per month. CPX, every 2d Monday each month. Test run	Train control center operational staff. Demonstrate operations of a control center to the general public. Demonstrate mobilization ability for mass feeding of 100 or more persons on short notice. Training of radio and other communications personnel in control center operations. Training staff at all levels in control center operations and problem solution. Trial run to test evacuation route, Newington to Cromwell. Also test of communication to Cromwell. Also test of communication to Cromwell.	Greenwich Auditorium setup as control center, Guilford	18	2½ hours. 2 hours. Do.
Plancock and Wildo Counties.	"Evacuation," June 4, 1956. "Test Alert," June 13, 1956. "Evacuee Reception," June 23, 1956.	cations. Evacuation of dependents from Air Force Base to Caribou, Fort Fairfield, and Limestone. To test effectiveness of the Air Raid Warning system of the entire State, operating quality of new sirens, and to provide the public an opportunity to hear the yellow and red alarms. To rehearse reception procedures at local and county levels and test evacuation routes.	Loring Air Force Base Statewide Citles and towns in Hancock and Waldo Counties.	1,200 dependents (250 autos). 80,000 civil defense volunteers. 500 citizens, 180 civil defense volunteers.	1 day.
State of Massachu- setts:	"Noah," Aug. 18-31, 1955 "Potluck," Sept. 22, 1955 "Flood Emergency," Oct. 16-18, 1955.	Flood emergency presented opportunity to test existing natural disaster plans and procedures. State sponsored emergency disaster feeding demonstration at Waltham Field Station, Massachusetts Extension Service. Flood Alert. Civil defense areas on standby status—tested natural disaster alert pro- cedure.	Statewide	10,431 civil defense workers. 300	170 hours, 20 minutes to feed participants. 63 hours.

Trues	"Cape Cod," Oct. 29, 1955	State sponsored test of evacuation and feed- ing in cooperation with Provincetown Red Cross Medical Unit. The "evacuees" were supposedly taken off the Cape and		150	-	
State of viessachu gerte.	"Poubleheader," Mar. 19-20, 1966.	Two successive blizzards causing widespread disruption of transportation and supply afforded an opportunity to test new civil defense organization in natural disaster. Headquarters was placed on an aiert— shelters, cots, blankets, and services (in- cluding auxiliary police and fremen) was	Statewide	- 400 civil defense staff, 1,500 volunteers.	23 hours,	<u>.</u>
	"Communications Test," May 7, 1956. "Lexington," June 4, 1956.	To test civil defense communications at State, area, and local levels.	do			FEDBRA
	"Bunker Hill," June 25,			and voluntoors		Ľ
New Hararshire	"Communications Test," July 1, 1955 through June 30, 1986.	Communications tests held at area and sector levels.	do	50 civil defense staff and volunteers.	Weekly,	CIVIL
Andover.	Apr. 4, 1956Apr. 5, 1956	all phases of welfare services. To train mobile support in civil defense	Town Hall simulated as welfare center. School facilities	30 civil defense workers, 50 townspeople. 150 civil defense vol-	1 day.	Defense
Concuru		gency welfare services. Public health training in civil defense To train civil defense	Town library State House	unteers. 30 civil defense volun- teers. 50	Do.	
11008011	Apr. 21, 1956	Training exercise involving all civil defense welfare services.	YMCA Hall Local school	60	z wyo,	MIM
Littleion State of New Home	May 29-June 27, 1956	Radiological defense training		60 welfare volunteers, 150 townspeople.	6 2-hour courses.	ADMINISTRATION
shire	July 1, 1935 June 30, 1955			100	4 3-hour courses. Single briefing sessions.	TION

Approved F	or I	Rel	ONE	200	850 7 (P	₽oQh	EB D	REAR	14676	R00	1000	030	001	-9
		_												

Location	Operation name and date	Object or description		d Approximate number participants	भ ए
		Region 1- Continue	d		ļ
New Jersey: State of New Jersey	' "Muster" week of Oct. 23,	statewide mobilization of all the Stat forces. Personnel and equipment wer moved to mobilization points, suppor role being stressed. National Guard wa mobilized. Pedestrians were instructed	ae		l- ir l week
Do	"Surprise," Feb. 23, 1956_	system; to implement and test control center mustering plans at all levels; to activate and test adequacies of control center at a first adequacies of control center at a first adequacies.	Statewide	21 counties, 567 munico	i- I day
Do	"May Day," May 1, 1956.	on short notice and evaluate efficiency o local plans designed to alert key agencies and industries. To test air defense warning network and ability of public to follow instructions. To afford opportunity for every municipality to test their civil defense plans and organization.	ddo	21 counties, 460 munic palities, 236,000 part cipants.	- Da
Do	Local tests	Many municipalities and counties had local tests during the year to test plans and	. [
ew York: Yates County	- July 15-16, 1955	organization. Evaluation of support area training	Support area for city of		
	- Aug. 13, 1955				
Lockport	- Aug. 19-20, 1955	seat. Evaluation of support area training.	Support area for city of	500	1
Rensselaer	Sept. 9-10, 1955	do	Niagara Falls. Support area for city of	500	
Albany and Rens- selaer.	Sept. 23, 1955	Test exercise and recruiting	Troy.		
Jamestown	Oct. 7-8, 1955	Training exercise for support area participa-		***********	
Auburn	Oct. 28-29, 1955	tion. Evaluation of support area trainingdo	Support area for city of Plattsburg. Support area for city of		2 days
Do	Oct. 29, 1955 Nov. 4-5, 1955	To test plans for evacuation of patients from County Home. Evaluation of support area training.		1	
Washington County_ Middletown	Nov. 12 1055	ffloor double	York City.		Do
	Nov. 18-19, 1955	Training Citywide participation in a test exercise and training of civil defense workers. Evaluation of support area training	Support area for city of		Do
White Plains Tompkins County	Nov. 25–26, 1955 Mar. 29, 1956	To test emergency service in a public alert_ Evaluation of support area training.	Buffalo. Support area for city of		
State of New York	Apr. 19, 1956	Training personnel from the New York State Division of Veterans Affairs and volunteers of the New York State Civil Defense Commission in Message Center. Evaluation of all training helds because	Binghamton. New York State Civil Defense Commission Headquarters.		1 day. Do.
			New York City	300	D.,
	May 2, 1956	Evacuation test	Support area for city of	500	
Rockiand County	May 6, 1956	Evaluation of support area training	Rochester. Support area for New York City.	500	Dio
		Training volunteers from New York State Department of Public Works and New York State Civil Delense Commission in Commissions Message Center.		75	Do
Tompkins County	May 19, 1956	Evaluation of support area training	Support area for city of Binghamton.	500.	\mathbf{D}_{0}
Chenango County Seneca County	June 16, 1956 June 27, 1956	dododododo	Support area for city of	750	Do. Do. Do.
ddition to the above ex Frem July 1, 1955, thro Most of these exercises not available. Service e participants ranging fro de Island:	xercises there have been numering June 30, 1956, New York lasted about 3 hours and were chilefs in the State Civil Defendant 10 to 600.	erous local exercises in New York State, some City had 1,709 such exercises unsupervised by the designed for the training of people assigned se Commission directed a number of exercises after the commission of	e supervised by State officials by the State and there were et to some specific civil defens also for the training of people i		
nont: Bellows Falls			Bellows Falls, Windsor	500 civil defense volun-	4 hours
		eral public, by rehearsing operational pro- cedures in evacuation of city under radio- active failout conditions; to test evacuation routes, mass transportation, reception, registration, mass leeding, communica- tions, and emergency hospital procedures.	and Chester, Vt.	teers, 2,000 others.	- MVIII 3

Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9 EXERCISES REPORTED—Continued

Location	Operation name and date	Object or description	Area or facilities involved	Approximate number of participants	Тітте
		REGION 2		fer end i dig	,
Maryland: Baltimore County	"Operation Seascape," Aug. 27, 1955.	Evacuation of people, using 60 small boats. Civil defense welfare, medical, fire, and police services were activated for exercise,	Area surrounding Glenn L. Martin plant.	900	
		REGION 3		·	1
Florida: Orlando Do Daytona Beach, Volusia County. Orlando Georgia: Atlanta	Jan. 31, 1956 Feb. 9, 1956 Feb. 15, 1956	To test evacuation of schools	5 schools	726 pupils	15 m in ute 14 minutes 3 minutes
Savannah	"Operation Box Car II," May 17, 1956. Nov. 9, 1955	Evacuate all Savannah school pupils by railroad and automobiles, pupils walking to railroad yards. Evacuate uptown business district, walking	51 Schools	36,000 pupils, 1,500 box cars.	30 minuter.
		to loading areas.	blocks.		20 mmagg.
		REGION 4			
llinois: Peoria	Feb. 26, 1956	Radiological monitoring and decontamina- tion demonstration for "simulated" evac- uees from failout area, Lectures on radio- active fallout hazards and protective measures. Evacuate participants in civil defense meet- ing at State Office Building to State Fair Grounds because of simulated "Failout Area," Mass feeding demonstration con- ducted for participants at reception area.	State Office Building		I day.

Indiana:		,			
	"Operation Good Neighbor," Mar. 10, 1956.	Evacuate 120 patients and 8,000 pieces of furniture from old St. Mary's Hospital across the city to new St. Mary's Hospital using 110 trucks and truck trailers.	1 complete hospital with patients and equipment.	700	I day.
	July 19–20, 1955	Mass feeding school with construction of field expedients and lectures on sanitation		80	2 days.
	Sept. 24, 1955	Boy Scout troops and local civil defense		800	l day.
Battle Creek	Sept. 30 and Oct. 1, 1955	agency. Feeding demonstration for instructors, sponsored by FCDA region 4, with construction of field expedients, lectures on sanitation, water supply, radiological fallout, mess layouts, and foods to serve.		80 in instructor's course	2 days.
Albion	"No Second Chance," Jan. 10, 1956.	deneral Demonstration. Sirens sounded alert of simulated attack. Schools evacu- ated; radio station simulated CONELRAD broadcast, fire, rescue, and first ald teams reported for duty. National Guard rarti-	Speech Department of Albion College, Calhoun County Civil Defense organization.	4,000	i day,
Wisconsin:		elpated.			
Milwaukee	June 9, 1956	Evacuees from Milwaukee reported to reception area (State Fair Grounds, West Allis, Wis.) Demonstration in registration, information, and mass feeding, including construction of field expedients, lectures on sanitation, water supply, and radiological contamination.		300	l day,
		REGION 5			
	Oct. —, 1955	To test evacuation plans. The town of Springdale served as a reception area for 10,000 to 15,000 simulated evacuees from surrounding area.			
New Mexico: Los Alamos Texas:	May 2, 1956	Entire city was evacuated to a point 8 miles away.	City of Los Alamos		
Pasadena	"Operation Recess," Dec. 7, 1955. June 1956.	School children were evacuated from the town.	Schools		
Carswell AF B	June 1996	In a surprise alert, entire base, including civilian employees. Military personnel and critical equipment were evacuated to a relocation site.	Carswell AFB		
					•

6 square miles

people by autos to reception cen-

'Green Light," Sept. 1955.

Oregon: Portland...

REGION 7

in instructor's con

Evacuation and treatment of simulated vic-tims from bomb area and movement to emergency field hospital.

REGION 6

Object or description

Operation name and date

Location

Instructor's course on construction of field expedients, lectures on santation, food contamination, water supply, radiological fallout, mess layouts, and foods to serve.

1955.

Iowa; Des Moines

Sept. 12, 1955. 16-17, Nov.

Denver:..

Colorado:

Approved For Release 2003/07/29 : CIA-RDP80B01676R001000030001-9 STOCKPILING

The Federal Civil Defense Act of 1950 authorizes the FCDA administrator to "procure by condemnation or otherwise, construct, lease, transport, store, maintain, renovate or distribute materials and facilities for civil defense," * * *. Under this authorization FCDA has proceeded to buy and store large quantities of emergency supplies and equipment for use in time of need.

Congressional appropriations available for this program have totaled \$172,148,000 through fiscal year 1956. Through June 30, 1956, about \$170,000,000 of these funds had been obligated—approximately \$163,000,000 for medical supplies and equipment and nearly \$7,000,000 for engineering supplies. No engineering supplies were purchased under this program in fiscal years 1954 and 1955. Small amounts were ordered in fiscal year 1956 and additional funds were spent for maintenance and relocation of equipment purchased in former years.

Contracts were awarded for about \$170,000,000 worth of materials. Materials costing approximately \$144,000,000 had been delivered by June 30, 1956.

STATEMENT AS OF JUNE 30, 1956

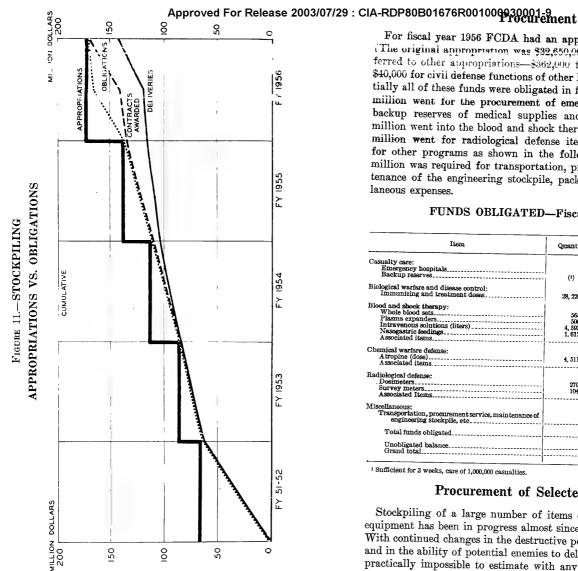
	Pro		
Description	Medical supplies and equipment		Total
Appropriations;			
Fiscal year 1951-52		!	\$66, 400, 00
Fiscal year 1953	· · · · · · · · · · · · · · · · · · ·		20, 000, 00
Fiscal year 1954			27, 500, 00
Fiscal year 1955			26, 000, 00
Fiscal year 1956			32, 248, 00
		L .	1
Total			172, 148, 00
unds obligated:		İ	
Fiscal year 1951-52	\$60,095,244	eK KA2 E27	65, 658, 78
Fiscal year 1953	18, 572, 849		19, 572, 16
Fiscal year 1954	27 005 355		27, 016, 30
Fiscal year 1955	25 674 800	- 10, 501	25, 674, 90
Fiscal year 1956.	31, 774, 126	122 116	32, 173, 68
			02, 175, 08
Total	163, 122, 374	6, 973, 359	170, 095, 73
Contracts awarded:			
Fiscal year 1951-52.	50 005 044		
Fiscal year 1953			65, 658, 78
Fiscal year 1954.	18, 572, 849	999, 316	19, 572, 16
Fiscal year 1955	27, 005, 355	2 10, 951	27, 016, 30
Fiscal year 1956	25, 674, 800	·	25, 674, 80
Piscal year 1900	31, 769, 126		32, 168, 68
70-4-3			
Total	163, 117, 374	6, 973, 359	170, 990, 73
Deliveries:			
Fiscal year 1951-52	59, 917, 266	5, 544 070	65, 462, 24
Fiscal year 1953	18 379 480		19, 361, 97
Fiscal year 1954	26 974 993	2 10 051	26, 985, 17
Fiscal year 1955	21 176 488	10, 501	21, 176, 48
Fiscal year 1956	10, 907, 698	175, 514	11, 083, 21
Total	137, 355, 155	6, 713, 941	144, 069, 09

1 Original appropriation was \$32,650,000. However \$402,000 was transferred to other appropriations—
Approved For Release 2003/07/29 3 Proprint of the propriation of the Federal agencies.

EXERCISES REPORTED—Continued

Area or facilities involved Approximate number of participants

412003-57---6



For fiscal year 1956 FCDA had an appropriation of \$32,248,000. (The original appropriation was \$32,650,000 but \$402,000 was transferred to other appropriations-\$362,000 for FCDA operations and \$40,000 for civil defense functions of other Federal agencies.) Essentially all of these funds were obligated in fiscal year 1956. Over \$18 million went for the procurement of emergency hospitals and for backup reserves of medical supplies and equipment. Nearly \$5 million went into the blood and shock therapy program, nearly \$41/2 million went for radiological defense items and smaller amounts for other programs as shown in the following table. About \$2.4 million was required for transportation, procurement service, maintenance of the engineering stockpile, packaging, and other miscellaneous expenses.

DEFENSE ADMINISTRATION

FUNDS OBLIGATED—Fiscal Year 1956

Item	Quantity	Cost	Total
Casualty care:			
Emergency hospitals Backup reserves	200		
1	(1)	14, 363, 654	\$18, 100, 67
Biological warfare and disease control:			1
Immunizing and treatment doses.	28, 220, 000	1, 892, 410	1, 892, 41
Blood and shock therapy:			1
Whole blood sets	565, 200		
Plasma expanders	500,000		
Nasogastric feedings	4, 593, 124 1, 612, 614		
Associated items	1, 012, 014	833, 631 491, 708	4, 864, 045
Chemical warfare defense:			1,001,01
Atropine (dose)	4, 511, 600	100.000	
Associated items	1, 311, 000	108, 986 318, 100	427, 086
Radiological defense:			127,000
. Dosimeters	279, 447	1 507 400	
Survey meters	104, 408	2,720,502	
Associated Items		164, 181	4, 482, 106
discellaneous:			
Transportation, procurement service, maintenance of		1	
engineering stockpile, etc.		2, 407, 354	2, 407, 354
Total funds obligated			
			32, 173, 681
Unobligated balance			74, 319
Grand total			32, 248, 000

¹ Sufficient for 3 weeks, care of 1,000,000 casualties.

Procurement of Selected Items

Stockpiling of a large number of items of medical supplies and equipment has been in progress almost since the creation of FCDA. With continued changes in the destructive power of nuclear weapons and in the ability of potential enemies to deliver them, it has become practically impossible to estimate with any degree of accuracy the

number of casualties which may resultApproved ForaReteas € 2003/07/29: CIA RDR 2003/0 quently it is impossible to establish meaningful requirements for such an eventuality. However, some progress has been made in procuring a large number of items which, in the judgment of FCDA officials, form a balanced program to take care of the most likely needs, in the event of attack.

Progress in the procurement of some of the more important selected items is shown in the following table. The number of items ordered and the number delivered relate to the entire period from the beginning of the program to June 30, 1956.

There is of necessity a sizable lag between orders and deliveries of most items. Deliveries of several items have kept pace reasonably well with orders, but in some cases deliveries are far behind. Only 201 of the 932 emergency hospitals ordered had been completely assembled and delivered ready for immediate use. The completion of one of these units requires the procurement and assembly of large numbers of individual items, followed by sorting, packaging, and grouping of the items in the unitization process. Although 32,500 gas masks had been ordered, none of them had been delivered by June 30, 1956.

PROCUREMENT PROGRESS—SELECTED ITEMS

Item	Unit of measure	Ordered number ¹	Delivered number
Civil defense emergency hospitals Burn dressings (large and small) Blood recipient sets. Blood derivatives (plasma and serum albumin) Plasma expanders (PVP and dextran). Gas masks. Radiological dosimeters.	do	932 8, 495, 000 2, 625, 140 1, 591, 427 4, 294, 146 32, 500 344, 000 124, 593 637, 036 54, 412, 500 1, 597, 611 227, 402	201 7, 784, 972 2, 089, 596 1, 510, 013 3, 770, 277 102, 624 30, 020 500, 000 2 26, 080, 000 1, 584, 555 162, 990

From beginning of program to June 30, 1956.
 Stored in custody of manufacturers.

Distribution of Radiological Instruments

In appropriating FCDA stockpiling funds for fiscal year 1956 the Congress (in Public Law 112, 84th Cong.) provided for the procurement of radiological instruments and detection devices by the Federal Civil Defense Administrator, and for the distribution of such instruments and devices to the several States and Territories, by loan or grant, for training and educational purposes, under such terms and conditions as the Administrator shall prescribe.

Under this authority FCDA proceeded to buy substantial quantities of radiological instruments and to make them available to the States

scheduled courses meeting standards approved by FCDA. Certain equipment has been granted to each State for continuing use, and additional quantities are loaned to States scheduling concurrently more than one training course.

As of June 30, 1956, FCDA had granted to the States 6,672 dosimeters, 713 dosimeter chargers, and 6,379 survey meters. On loan to the States were 417 dosimeters, 190 chargers, and 3,133 survey meters.

RADIOLOGICAL INSTRUMENTS LOANED OR GRANTED TO STATES

Region and State	Dosii	meters	Dosimet	er chargers	Survey meters	
	Loan	Grant	Loan	Grant	Loan	Grant
Grand total	417	6, 672	190	713	3, 133	6, 37
Total-Continental United States_	417	6, 668	190	708	3, 121	6, 31
legion 1	146	3, 440	39	284	173	
Connecticut		320				3, 57
		600		163		37
Massachusetts		1, 400		18		1, 4
		200		l îi l	25	1, 2
New Jersey New York		800		20	50	5
Rhode Island	116	******	30		78	14
Vermont	30	120	9	63		17
egion 2					20	
l l		672	18	44	670	97
Delaware					26	
District of Columbia		12		9	20	
Kentucky Maryland		4		5		
Ohio	31	200	8	5	60	2
Pennsylvania		400	10	10	214	45
V irginia		24 32		15	300	7
		32			42	
l,					19	
egion 3					11	
Alabama					- 11	
Alabama						
Mississippi					4	
Mississippi North Carolina South Carolina						
South Carolina						
Tennessee					7	
egion 4	20	628	118	270	1, 568	79
Illinois						
Indiana		500		245	88	60
MICHIERO	4	28 20		17		7
	12	20	75	5	71	7
Wisconsin	4	80	43	9	1, 295 114	5
egion 5						
i e	38	28	8	20	92	7
Arkansas	26.	25.		211	DU .	7
Louisiana.	1.				12	
New Mexico. Oklahoma	4 .					
Texas	24	1	6		20	

Approved For Release 2003/07/29: CIA-RDP80B01676R00100030001-9 RADIOLOGICAL INSTRUMENTS LOANED OR GRANTED held. Subsequent costs for storage, care, and protection are borne

TO STATES-Continued Dosimeters Dosimeter chargers Survey meters Region and State Loan Grant Loan Grant Loan Grant 670 144 Colorado 2 44 1 5 26 61 44 50 10 32 19 82 50 250 54 200 40 22 90 43 230 24 1,580 404 150 12 1, 500 15 n Samoa

Prepositioning of Civil Defense Emergency Hospitals

In June 1956, FCDA announced a new program for distribution of civil defense emergency hospitals. The objective is to store these 200-bed hospitals at strategic points throughout the country in or near facilities which can be converted to hospital use in an emergency.

The plan is designed for the safe permanent storage of a hospital in unopened original containers at or near the place of eventual usage where it can be unpacked and put into operation with a minimum of delay in the event of an emergency. Storage sites are to be not closer than 15 miles to a Critical Target Area nor farther than 50 miles from the area to be supported. At least 15,000 square feet of acceptable space must be available for hospital operations. Actual storage space required for the packaged hospital is slightly over 1,800 cubic feet.

The plan is to be implemented through formal agreements with the States. Each State may obtain one or several of these hospitals tor storage within its borders by signing an agreement with FCDA under which the State accepts responsibility for adequate custodial maintenance, and protective care according to established criteria. All acquisition and delivery costs are borne by the Federal Governby the State. Title to the property remains with the Federal

FEDERAL CIVIL DEFENSE ADMINISTRATION

Government.

It is the responsibility of the State to develop plans for the utilization of the hospitals during a civil defense emergency. Such plans are coordinated and approved by FCDA. Under terms and conditions prescribed by FCDA the hospitals may be made available for use in a natural disaster following declaration of a major disaster by the President under Public Law 875, 81st Congress.

Civil Defense Emergency Hospitals on Loan to States

During late 1955 and early 1956, a program was developed for distributing emergency hospitals to the States for purposes of display, education, and training.

Principal objectives are to develop in the field an understanding of techniques, requirements, and staffing patterns for setting up these hospitals in event of emergency. A State can obtain one or more of these hospitals by ssigning a formal loan agreement under which it accepts custody of the hospital for civil defense display, educational, and training purposes, agrees to pay charges for transportation from one city to another within the State, and accepts responsibility for loss or damage to the hospital or any of its components. Under this arrangement one-half the costs to a State may be returned under the Federal contributions program.

A total of 50 civil defense emergency hospitals has been set aside or approved for loan to the States for training and display purposes. As of June 30, 1956, 35 hospitals had actually been distributed to the States or shipment arrangements were in process. Initial destinations were as follows:

Region 1 Torrington, Conn. Somerville, N. J. Providence, R. I. Barre, Vt. Region 2 Wilmington, Del. Washington, D. C. Sykesville, Md. Chillicothe, Ohio Altoona, Pa. Butler, Pa. Reading, Pa. Charleston, W vn

Atlanta, Ga. Memphis, Tenn. Region A Indianapolis, Ind. Detroit, Mich. Rolla, Mo. Region 5 Baylor, Tex. Houston, Tex. Region B

Greeley, Colo.

Cedar Rapids, Iona

Region 3

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Region 6---Continued Topeka, Kans. Moose Luke, Minn. Onk Terrace, Minn. Omnin, Nebr.

Region 7 Chandler, Ariz. San Francisco, Calif. Bolse, Idaho Warm Springs, Mont. ApprovediFor Released2003/07/29 : CIA-RDP80B01676R001000030001-9

Reno, Nev. Salem, Oreg. Satt Lake City, Utah Seattle, Wash.

Territories and possessions
Honolulu, Hawaii

Other Amprior, Ontario, Canada

Warehousing

ANNUAU BEFURE, 1800

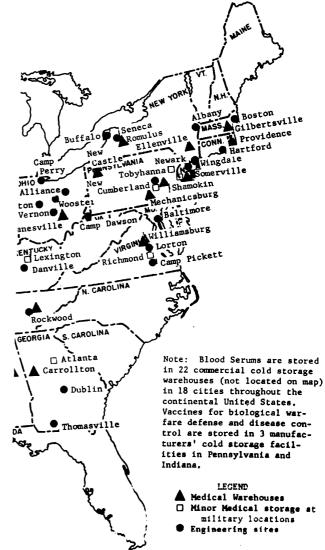
Most of FCDA's stockpiled materials are stored in 38 medical warehouses and at 32 engineering storage sites in Continental United States. Small quantities of medical supplies are in two warehouses in Hawaii and Puerto Rico. In addition, blood serums are stored in commercial cold storage warehouses in 18 cities, and vacancies are stored in several manufacturers' cold storage facilities.

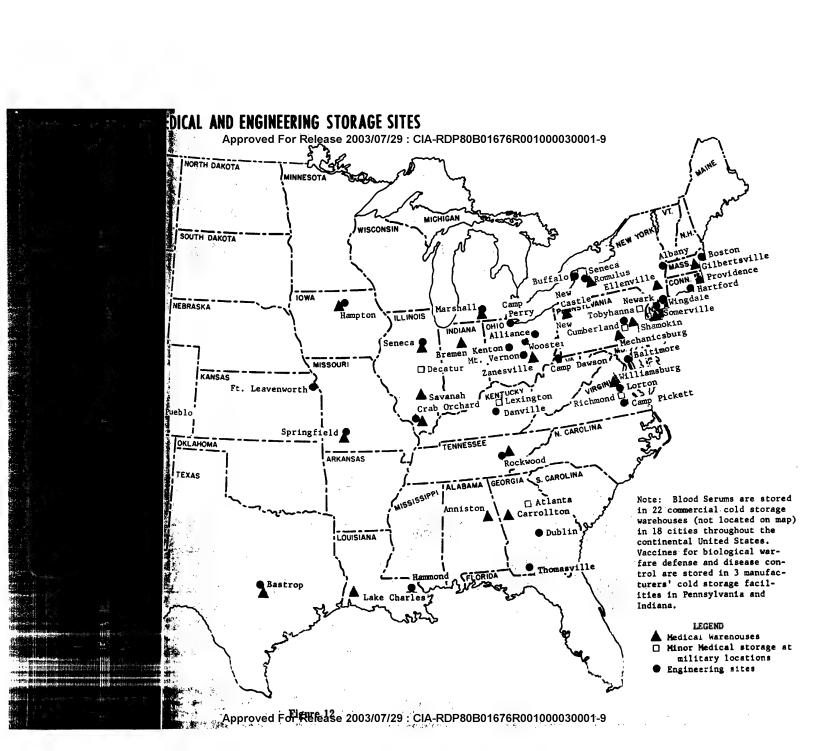
Requirements for medical warehousing space have increased continuously over the years. As of June 30, 1956, total warehousing space available for this program was about 16,746,000 cubic feet. Of this amount 11,621,000 cubic feet were scheduled for occupancy.

Medical supplies and equipment are stored generally outside of Critical Target Areas but scattered through the country and near enough to large concentrations of people to be accessible in an emergency. Some of the warehouses are filled beyond normal capacity while others, acquired more recently, have a considerable amount of space. Figure 14 indicates the extent of space occupied in the individual facilities as of May 31, 1956, and the space scheduled for occupancy by June 30, 1956.

FINANCIAL AID TO STATES AND CITIES

The purpose of the Federal contributions program is to help the States and their political subdivisions to acquire essential civil defense material and equipment and help them promote civil defense education and training. The program operates under authority of the Federal Civil Defense Act of 1950 (Public Law 920, 81st Cong.) which authorized the Administrator of FCDA to make financial contributions to the States for civil defense purposes on the basis of programs and projects approved by the Administrator.





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y, Utah

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Duses in Hawaii

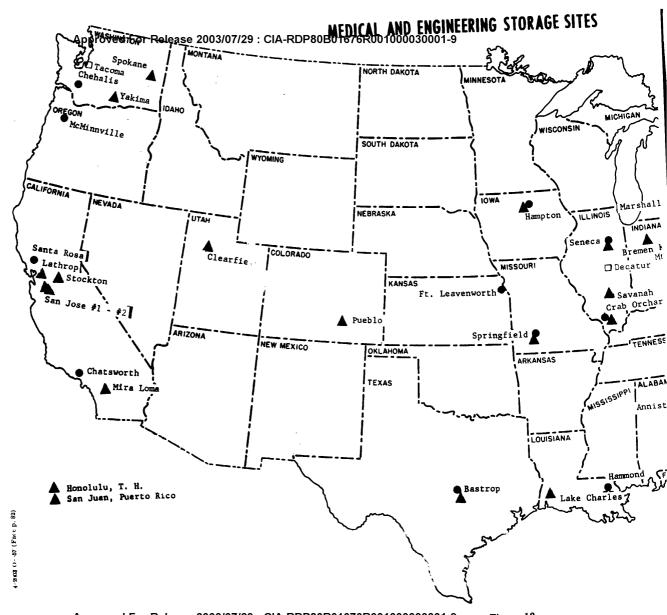
stored in several

increased conrehousing space c feet. Of this rancy.

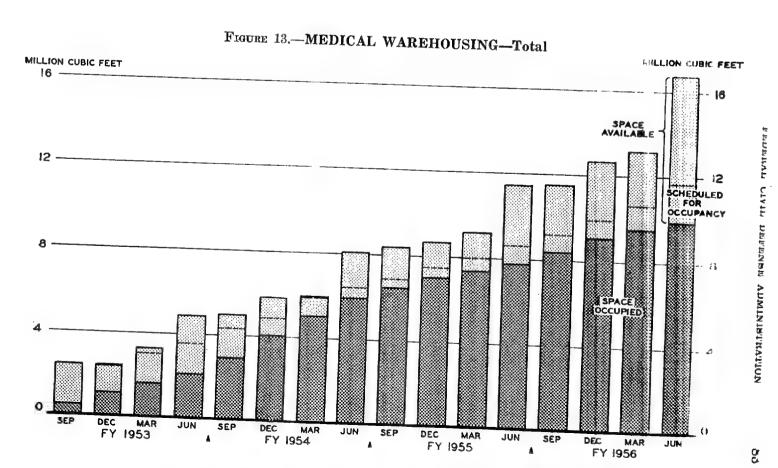
ally outside of untry and near accessible in an normal capacity table amount of pied in the indie scheduled for

CITIES

n is to help the tial civil defense efense education y of the Federal ong.) which aual-contributions are of programs



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FIGURE 15—FEDERAL CONTROL Release 2003/07/29: CIA-RDP80B01676R001000030001-9 ADMINISTRATION

By Program Million Dollars 10 20 COMMUNICATIONS HEALTH AND SPECIAL WEAPONS FY'56/57 FY'55/56 FIRE SERVICE FY'52 ATTACK WARNING* Appropriations TRAINING AND EDUCATION RESCUE SERVICE PUBLIC CD EDUCATION AND INFORMATION WELFARE SERVICE ENGINEERING OTHER POLICE SERVICE

* Data for FY 1954 include obligations from the reappropriation in FY 1955.

Federal Funds Obligated—By Region

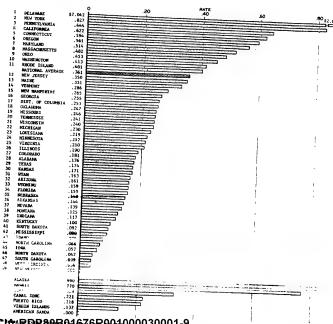
Fiscal Year 1952 Through Fiscal Year 1956

Three-fourths of the total Federal contributions went to the States FCDA Regions 1, 2, and 7. These are the States with nearly concentrations of population in the northeastern United States and on the west coast. New York, California, and Pennsylvania, in that order were the three States receiving the largest amounts of Fodicial flands.

FCDA region	Federal funds obligated fiscal year 1952 through fiscal year 1956		
	Amount	Percent of total	
Total Region 1 Region 2 Region 3 Region 5 Region 5 Region 6 Region 7 Territories and possessions	\$60, 442, 666 19, 870, 573 14, 747, 776 3, 376, 637 5, 844, 348 2, 925, 820 1, 800, 497 10, 541, 429 1, 335, 586	100. 0 32. 9 24. 4 5. 6 9. 7 4. 8 3. 0 17. 4 2. 2	

The project applications approved during fiscal year 1956 were from funds which would come out of the 1955-56 appropriation of \$12,000,000 and the 1956-57 appropriation of \$12,400,000.

FIGURE 16 FEDERAL FUNDS OBLIGATED PER CAPITA*



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Up to September 30, 1955, each Standard veder and Select se 2003/07 amount out of the 1955/56 appropriation against which project applications could be submitted. It became evident, however, that some States were not going to use all of the funds allotted while others had need of more than their initial allotments. During the second quarter of fiscal year 1956, therefore, FCDA regional administrators was authorized to approve project applications from the States on a firstcome first-served basis in order to permit the States, with programs and projects ready, to move forward.

The 1956-57 appropriation of \$12,400,000 became available for colfgation as of July 1, 1955. Allocations from this appropriation have been made to each region without specifying amounts available for each State. Regional administrators were authorized to approve applications against this appropriation on a first-come first-served basis within certain limits of maintaining balanced programs and assisting all States in moving ahead with their projects as they because ready.

Summary-All Programs

In the tables which follow, detailed statistics on the Federal contributions program are presented showing the extent of Federal fund obligated from the inception of the program through fiscal year 1844. Data are given for each program, broken down by FCDA region and State. Data are shown also on the progress of each State in procuring some of the more important items available for procurement in program.

Region and State	Dollar v	alue of Feder	al funds oblig	ated (by fis	cal year appr	opractical
Avegron and State	Total	1956/57 1	1955/56 1	1955 2	1954 2	1963 and
Total	60, 442, 666	4, 992, 204	11, 828, 660	1, 132, 059	8, 081, 103	31.00.00
	19, 870, 573	2, 089, 211	3, 570, 070	249, 101	1, 935, 229	12,634,000
Connecticut Maine Massachusetts New Hampshire New Jersey New York Rhode Island Vermont	1, 330, 527 299, 771 2, 418, 304 147, 346 1, 894, 953 13, 332, 542 339, 158 107, 972	202, 792 46, 040 327, 487 35, 670 125, 901 1, 298, 789 19, 864 32, 668	192, 549 118, 246 269, 363 36, 650 305, 318 2, 566, 636 50, 062 31, 246	26, 050 7, 674 35, 575 9, 335 17, 035 152, 465	207, 763 54, 808 187, 033 27, 252 236, 202 1, 119, 418 96, 864 5, 889	74、20 八八 55 八 55 八 55 八 55 八 55 八 55 八 55 八
Region 2	14, 747, 776	1, 238, 567	3, 454, 541	467, 352	1, 375, 274	LELW
District of Columbia Kentucky Maryland Ohio	790, 079 215, 985 301, 855 1, 370, 669 4, 061, 589 7, 32, 329 752, 789 71, 982	141, 676 1, 528 7, 925 132, 218 210, 828 572, 585 38, 042 33, 764	168, 963 34, 777 159, 931 162, 074 275, 230 1, 497, 650	26, 927 7, 000 25, 095 42, 546 382, 287 23, 547	25, 299 1, 230 10, 607 145, 866 302 471 761, 292 1	位、利 の の の は の に 。 に る に る に る に る に る に る に る に に に る に に に に に に に に に に に に に

See footnotes at end of table.

FEDERAL CIVIL DEFENSE ADMINISTRATION CIA-RDP80B01676R001000030001-9

*									
Region and State	Dolla	r value of F	eder	al funds o	blig	ated (by	fiscal year a	ppr	opriation)
	Total	1956/57	71	1955/56	1	1955 2	1954		1953 and 1952 2
Begion 3		324,	722	1, 015, 0	15	76, 2	53 651, 9	289	1, 308, 658
Alabama		02 40, 1	168	134, 79	00				2,000,000
Plorida Georgia Mississippi North Carolina South Carolina	535, 1	25 66.2	241	290, 38	99	10, 47		21	248, 736
Vierieelpri	923, 0	25 66, 2 65 93, 3	361	249, 87	74	4, 52	29 82,7 20 235,4	82	91, 192
North Carolina	189, 6		15	77 0	20	18, 02	20 235,4	50 j	326, 360
South Carolina	281, 5	72 I 80 9	363	77, 02 93, 75	51	11 00		81	29, 828
Tennessee.	89. 3	26		18, 25	6	11, 28			56, 105
		23 31,9	74	150, 93			0 61,8	86	9, 169
Region 4.	5, 844, 34		-	961, 25	==	31, 74		98	547, 268
Illinois Indiana						128, 61.	5 1, 266, 90)6	3, 115, 801
Indiana	505, 30	0 69 40	07	139, 91	1	43, 28		77	1 110 401
Michigan Missouri Wisconsin	1, 666, 25 1, 009, 69	6 110,63	20	82, 83; 312, 80; 267, 39; 158, 31(3	22, 116	37 01	il	1, 112, 494 294, 843
MISSOURI	1, 009, 69	9 45, 61		312, 80,	3	20, 47	259.91	î l	060 400
wisconsin	885, 97	9 72,00	10 L	267, 398	8	6, 206	5 1 278.65	ã l	962, 437 411, 817
		12,00	~	158, 310	ווי	36, 536	284, 91	ğΙ	334, 210
Region 5	-, -, -, -,	0 415, 15	60	857, 705	5	41, 835		==	
Arkansas	258, 25	57, 09	0				- 100,00		820, 828
Louisiana New Monday	- 639, 90	71, 32	2	128, 077	·		- 58, 079	a	15, 001
		11,02	9	132, 051		13, 032	115, 830		307, 662
		82, 80	ō- -	105 500					007,002
Texas	- 1, 491, 545	203, 91	21	135, 737	1	1, 964	111, 154		204, 452
Region 6.			_ _	461, 840		26, 839	505, 241		293, 711
	-,,,		3	337, 073		62, 708	316, 558	-	
Colorado	280, 032 152, 232 352, 101	18, 187	-		-		010,000		935, 175
lows	152 232	2,951		76, 707	1	5, 305	69,800		110, 033
Kansas	352, 101	1, 493	;	35, 063	1	11,000	53, 359	1	40 950
Minnesota.	674, 292	90, 801	'	41, 026			42,560	1	49, 859 267, 013
Nebraska North Dakota	204.342	21, 504	1	79, 068 38, 556	1	46, 403	73, 903	1	384, 117
South Dakota	26,756	4,722		98, 006 692			54, 628	1	89, 654
Wyoming	26, 756 61, 981	8,780		46, 476				.1	21, 342
	48,761	545	1	19. 485			5, 945	i i	780
legion 7	10, 541, 420		-				16, 354	L	12, 377
Arizona California		365, 136	- -	1, 451, 400		96, 043	1, 647, 596	1	6, 981, 254
California	157, 599 8, 100, 350	3, 290	1	52, 953			50, 734	_	
Idaho.	45, 939	222, 289 1, 253	1	908, 973		52, 948	1, 172, 890	١.	50, 622
	79, 328	1,253	1	31, 102			13 594	٩	5, 743, 250
	31, 380	1, 216	1	40, 481		2, 575	13, 584 17, 711		17 945
Oregon	936, 850	68, 355	ĺ	13, 720 233, 967			~,,,11	1	17, 345 17, 660
Utah .	127, 351	995	1	233, 967		10, 813	267, 679		356, 036
Washington	1, 062, 632	67, 738		14, 552		12, 764	44, 314		54 70a
rritories and possessions.			_	155, 652		16, 943	80, 684		54, 726 741, 615
4 leader	1, 335, 586	38, 664		181, 601		10, 152	97, 247	1,	007, 922
American Samos	413, 838	3, 773		5, 246		6, 515	11, 037		387, 267
Canal Zone Guam	11, 948								001, 201
	19.411			1, 560 665		1,560	1,637		7, 191
Hawaii Puerto Rico	401, 997 485, 100	2, 220		62, 935					18, 746
Puerto Rico Virgin Islands	485, 100	31, 442		110, 166		0.000	35, 687		301, 155
-0	3, 292	1, 229		1,029		2, 077	48, 433		292, 982
				-, 000			453		581
Applications appropriate here.			_				1		

as approved by regional administrators prior to entry on official FCDA records at National Adjusted for firm contracts, cancellations, and amendments.

	Approved For	Release 2
ATTACK	WARNING	

	Dollar va	lue of Federa	al funds oblig	gated (by fisc	al year appro	praiding)
Region and State	Total	1956/57	1955/56	1955	1954	15GA estud 15GB
Total	7, 601, 837	651, 982	523, 042	1, 132, 059	1, 876, 032	1 (0) 20
Region 1	1, 885, 041	198, 257	186, 705	249, 101	421, 643 ((3), 366
Connecticut Maine.	157, 893 36, 676	24, 733 3, 084	5, 460 9, 494	26, 050 7, 674	40, 950 16, 424	4.70
Massachusetts	336, 561	16,603	12, 452	35, 575	69, 804	34,12
New Hampshire New Jersey	16, 511 176, 102 1, 065, 750	1, 791 7, 812 136, 690	3, 187 51, 739	9, 335 17, 035	2, 198 55, 190	4.33
New York Rhode Island Vermont	1, 065, 750 91, 037 4, 511	136, 690 5, 474 2, 070	98, 524 4, 375 1, 474	152, 465 967	180, 064 56, 990	光明
Region 2	2, 027, 214	243, 332	138, 392	467, 352	164, 725	1,003,000
Delaware District of Columbia	66, 198 78, 926	2, 447 115	1, 743	26, 927 7, 000	8, 466	2.4
Kentucky Maryland	28, 350 232, 060	21, 943	28, 350 4, 938	25, 095	16, 574	19.80
Ohio Pennsylvania	561, 234 884 055	54, 460 198, 397	5, 211 91, 725	42, 546 332, 237	16, 574 22, 781 102, 153	- A
Virginia West Virginia	884, 955 132, 457 43, 034	128, 327 3, 701 32, 339	5, 268 1, 157	33, 547	12, 181 2, 570	75
Region 3	470, 591	7, 053	34, 731	76, 253	131, 449	
Alabama	64, 793	737	8, 073		13, 766	
Florida	102, 650 104, 000	1, 597	12, 272	10, 478 4, 529	40, 423	3.55
Georgia Mississippi	15.725		5, 327	18, 020 180	33, 687	25
North Carolina South Carolina	61, 078 10, 804	3, 861	8, 638 396	11, 282 20	24, 212 10, 3%	17 000
Tennessee	111, 541	858	25	31,744	8, 953	
Region 4	989, 134	41, 160	68, 661	128, 615	302, 619	
IllinoisIndiana	364, 711 97, 193 170, 388	18, 875	6, 183	43, 280	128, 566	14E, 18F
Michigan	170, 388	1, 052 5, 342 2, 699	16, 871 20, 508	22, 116 20, 475	25, 001 21, 733	以 (1)
Missouri Wisconsin	229, 184 127, 658	2, 699 13, 192	20, 088 5, 011	6, 208 36, 536	98, 058 29, 261	
Region 5	382, 832	35, 386	35, 463	41, 835	195, 209	71 (7)
Arkansas	298		298		,.	-
Louisiana New Mexico	57, 556	`	6, 957	13, 032	17, 027	3,144
Oklahoma	52, 223 272, 755	11, 636 23, 750	1, 250 26, 958	1, 964 26, 839	36, 027 142, 215	1, 340 12, 460
Region 6	356, 120	27, 063	8, 227	62, 708	101, 129	174, 100
Colorado Iowa	36, 387 48, 837		279	5, 305	2.163	2.40
Kansas	45, 921	1,500 290	2, 217	11,000	31, 540 9, 138	M 276
Minnesota Nebraska	183, 907 23, 366	19, 953	3, 824 1, 907	46, 403	49, 451 4, 540	44 274
North Dakota	1, 925	1, 925				~-
South Dakota Wyoming	3, 395 12, 382	3, 395			4,257	۱.
Region 7	1, 335 441	98, 253	45, 627	96, 043	523, R54 J	FL. 664
ArizonaCalifornia	35, 029 1, 057, 673	97, 191	35, 782	52, 948	16, 956 461, 481	N.CO
Idaho Montana Nevada	14, 252			2, 575	11,677	
Oregon .	57, 207	1, 292	2, 338	10.810	4,056	* x ==
Utah Washington	21, 009 150, 271		7, 507	12, 764 16, 943	6, 590 1 23, 094	L des
Tarritories and possessions	155, 464	1, 478	5, 236	10, 152	35, 364	14.5
Alaska	103, 364	1, 478		0, 515	SALE .	
American samos Canal Zono	4 680		top		120	
Guam Hawaii	4, 728 22, 237					(TO
Puerto Rico Virgin Islands	20, 435		3, 676	2, 077	22, 237 10, 574	(1880

ATTACK WARNING

Destance & O. J.	Recu	rring charges	approved (d	ollars)	Selected ite for proc	ms approv
Region and State	Total	Fiscal year 1956	Fiscal year 1955	Fiscal year 1954	Sirens (units)	Bell and light in stallation (units
Total	629, 211	216, 885	236, 807	175, 519	9, 050	2,0
gion 1	185, 905	22, 757	86, 480	76, 668	2, 833	
Connecticut	31,935	12, 644	9, 245	10, 046	290	
Nassachusetts	8, 899 230	5, 861	275 230	2,763	32 383 20	
New Jersey New York Rhode Island	2, 513	2, 513	230		20 288	i
New York	142, 328	1,739	76, 730	63, 859	1,702	
Rhode Island		.,	10,100	00,000	1, 102	l
Vermont					14	
gion 2	220, 366	93, 179	89, 560	37,627	2, 268	
Delaware District of Columbia					64	
Kentucky	175	115		60	18	
Maryland	74, 554	62, 023	5, 706 12, 539	6,825	315	
Ohio Pennsylvania	39, 554	11,093	12, 539	15.922	414	
Virginia.	12 707	14, 473 4, 318	66, 260	11, 486	1, 291	;
West Virginia.	92, 219 12, 707 1, 157	1, 157	5, 055	3, 334	143 23	
gion 3	19, 988	9, 584	7, 591	2, 813	393	
bems	5, 964	2, 433	3, 267	264	52	
Florida	1,839	1, 101	50	688	49	
Georgia	5, 570 180	3, 379	1,089	1, 102	144	
North Carolina	684	396	180 288		10	
South Carolina	576	396	180		74 10	
Tennessee	5, 175	1,879	2, 537	759	54	
gion 4	69, 254	26, 147	19, 702	23, 405	1,068	
Illinois	12,773	4, 388	3, 861	4, 524	290	
Indiana	4, 477	2, 280 2, 908	1,488 1,731	4, 524 709	138	
Michigan Missouri	7, 157	2,908	1, 731	2, 518	95	
Wisconsin	22, 240 22, 607	9, 342 7, 229	6, 163 6, 459	6, 735 8, 919	254	
ion 5	11, 653	5, 825	5, 204	624	386	
Arkansas		0,620		024		1
Louisiana New Mexico	8, 025	4, 417	3, 608		1 105	
Oklahoma						
Texas	3, 628	1,408	1, 596	624	64 216	
ion 6	5, 639	2, 051	1, 193	2, 395	297	1
Colorado	2, 539		743	1,796	33	
lowa Kansas	283			283	71	
Minnesota.					4.5 1	
Yehrastra	2, 244 548	1,043	450	151	136	1
North Dakota	25	1, 643 383 25		165	4	
North Dakota South Dakota		20			4	
Wyoming					3	
lon 7	110, 248	54, 304	25, 517	30, 427	1, 691	2
Arizona					7 1	
California	102, 749	51, 931	22, 863	27, 955	1.468	2
Idaho					.,	
Montana. Nevada		• • • • • • • • • • • • • • • • • • • •	··································		19	
Oregon.	i, 376 :	643	568 :	167	ن مر	
i tah			000		18 '	
Washington	6 101	1, 730	2, 250	2, 305		

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ANNUAL REPORT 1956 Approved For Release 2003/07 : CIA-RDP80B01676R0010000300015 Aministration

ATTACK WARNING-Continued

	Recur	ring charges	Selected items upgraved for procurement			
Region and State	Total	Fiscal year 1956	Fiscal year 1955	Fiscal year 1954	Sirens (units)	Bell und hate to- scalledning (mathe
Territories and possessions	6, 158	3,038	1,560	1, 560	124	
Alaska	1,478	1, 478			42	
American Samoa Canal Zone Guam Hawati Puerto Rico	4, 680	1,560	1,560	1,560	22 15 62	
Virgin Islands						

COMMUNICATIONS

	Dollar value of Federal funds obligated (by fixed pure appropriation)								
Region and State	Total	1956/57	1955/56	1954	2503 entel				
Total	18, 526, 280	2, 823, 092	7, 486, 282	4, 091, 125	(10,30				
tegion 1	4, 766, 473	1, 035, 714	1, 461, 365	817, 225	LOLIN				
Connecticut	427, 320	143, 126	124, 690	91, 722	5,34				
Maine	116, 646	26, 940	58, 742	23,460	7.00				
Massachusetts	595, 834	197, 711	167, 779	84,363	15.00				
New Hampshire	77, 176	26,990	27, 270	12,665					
New Jersey	396, 763	96, 584	115, 398	56,966	IX.				
New York	2, 996, 354	506, 761	920, 186	518, 159	L dell 200				
Rhode Island	104, 446	13,810	27, 246	25, 130	7.5				
Vermont	51, 934	23, 792	20, 054	4,738	-				
tegion 2	4, 604, 661	622, 198	2, 432, 404	808, 111	761, 96				
Delaware	272, 752	73, 024	110, 150	4, 363	46.20				
Delaware	16, 283	1, 413	13, 455	1, 230	1 1				
Kentucky	152, 111		117, 439	10,607	大幅				
Maryland	281, 491	45, 944	59, 529	53, 152	12,00				
Ohio	1, 416, 828	76, 723	1,084,038	99, 310	134,39				
Pennsylvania	2, 226, 980	420, 192	956, 188	575,025	271,571				
Virginia	218, 789	3, 477	87,790	58, 281	0,34				
West Virginia	19, 427	1, 425	3,815	6, 243	2.00				
Region 3	1, 700, 132	273, 131	770, 265	402, 912	380,00				
Alabama	243, 520	36, 187	95, 979	46, 517	44.4				
Florida	310, 595	41, 573	212, 562	40, 300	14,111				
Georgia	481, 964	83, 553	195, 017	152, 971					
Mississippi	135, 829	12, 115	44, 535	61, 643	100.00				
North Carolina		71,689	68, 260	7, 401	**				
South Carolina	69, 353		17, 855	51, 498					
Tennessee.	307, 251	28, 014	136, 057	42, 563	10.				
Region 4	1, 970, 822	250, 956	652, 083	614, 829	-				
Illinois	501, 249	45, 408	100, 701	199 754	155, 15				
Indiana	107, 162	63, 835	26, 803	8, 474	1,4				
Michigan	676, 800	98, 750	229, 330	184, 910	100.00				
Missouri	458, 298	34, 232	232, 634	142, 905					
Wisconsin	227, 313	8,731	62, 615	79, 596	77,0				
regioù ô	1, 753, 567	306,066		501, 802	301,38				
trhanser	222, 293	E2 672	115, 651	52, 131	1 1				
Louisiana		54, 766		79,142					
New Mexico	201, 120	02,700	34,101	,					
Oklahoma	294, 551	29, 264	78,690	49, 037	135.40				
Texas	948, 595		408, 337	321, 492	4.0				
	0.20,000	3, 502							

COMMUNICATIONS—Continued

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Region and State	Dollar v	alue of Fede a	ral funds obl ppropriation	igated (by fi:)	scal year
	Total	1956/57	1955/56	1954	1953 and 1952
Begion 6	608, 472	95, 781	255, 570	172, 717	84, 404
Colorado Iowa Kansas Minnesota Nebraska	153, 931 60, 088 67, 050 116, 115 124, 916	17, 382 1, 451 593 57, 274 10, 722	63, 218 35, 063 23, 605 40, 018 34, 182	64, 110 20, 488 20, 974 2, 534 46, 837	9, 221 3, 086 21, 878 16, 289 33, 175
North Dakota South Dakota Wyoming	2, 979 57, 058 26, 335	2, 542 5, 385 432	437 45, 728 13, 319	5, 945 11, 829	755
Region 7	2, 783, 985	200, 988	1, 096, 450	733, 778	752, 769
Arizona California Idaho Montana	79, 781 1, 838, 096 45, 399 52, 017	1, 942 74, 455 1, 153 1, 115	40, 954 736, 452 30, 948 40, 373	30, 739 431, 221 13, 298 5, 822	. 5, 146 595, 968 4, 707
Nevada Oregon Utah Washington	12, 831 471, 194 61, 876 223, 791		12, 831 172, 892 10, 462 51, 538	186, 812 34, 286 31, 600	47, 287 17, 128 82, 533
Territories and possessions	338, 168	35. 258	120, 766	40, 051	142, 093
Alaska American Samoa		2, 295			70, 563
Canal Zone. Guam Hawaii Puerto R.ico_ Virgin Islands.	4, 174 38, 266 221, 040	900 31, 300 763	25, 156 94, 996 614	2,067 37,531 453	4, 174 10, 143 57, 213

COMMUNICATIONS

	Recurr	ing charges	approved	(dollars)	Selected items approved for procurement (units)			
Region and State		Fiscal	Fiscal	Fiscal	Transmitter-receivers			
	Total	year 1956	year 1955	year 1954	Base sta- tion	Mobile	Portable	
Total	521, 432	246, 640	61, 440	213, 352	6, 514	28, 801	8, 428	
Region 1	243, 194	131, 506	6, 471	105, 217	1,306	6, 640	2, 181	
Connecticut Maine Magnechusents	15, 809 2, 025 16, 961	10, 203 2, 025 7, 464	5, 384 1, 067	222 7,400	130 54 291	693 223 1, 040	219 158 385	
New Hampshire New Jersey	4, 428	2, 587		1,841	32 187	149 565	67 213	
New York Rhode Island Vermont	201, 179 3, 181 621	107, 023 1, 583 621		94, 156 1, 598	557 44 11	3, 688 223 59	1, 127 44 18	
Region 2	94, 328	37, 978	14, 963	41, 387	1,348	7,667	2, 578	
Delaware	2, 132 4, 037	1, 255 1, 413	524 1, 455	353 1, 169	48	358	54	
Kentucky	1 11111	·			62	380	21	
Maryland .	9, 208	3,663	2, 553 3, 712	2, 992 2, 116	91 234	287 2, 526	311 151	
Pennsylvania	55, 686		6 719			3. 880	1. 898	
Virginia. West Virginia.					67 18	269 17	148	

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COMMUNICATION Proyectifies Release 2003/07/25: CIA-RDP80B01676R0010001900190019

	Recurr	ing charges	approved	(dollars)	Selected proc	items appurement (Crossed San Crossed
Region and State	Total	Fiscal	Fiscal	Fiscal	Trans	mitter-rec	ritran
		year 1956	year 1955	year 1954	Base sta- tion	Mobile	Pertito
Region 3	8, 022	2, 448	3, 403	2, 171	849	3, 270	350
Alabama. Florida. Georgia. Mississippi. North Carolina. South Carolina. Tennessee.	2, 513 1, 694 836 1, 041	121 1, 255 1, 072	972 326 836 831 438	1, 420 113 210 428	131 188 163 60 18 101 188	479 471 1,061 370 130 211 626	***
Region 4	36, 948	23, 470	4, 655	8, 823	643	2,778	G
Illinois.' Indiana Michigan Missouri Wisconsin		13, 781 7, 517 1, 855 317	4, 282	2, 615 2, 876 2, 247 1, 085	168 66 187 193 29	751 368 843 722 194	D
Region 5	4, 849	1, 013	638	3, 198	685	4,005	ā
Arkansas Louisiana New Mexico	2, 335			2, 335	78 112	497 636	77
Oklahoma Texas	670 1,844	430 583	240 398	863	145 350	630 2, 240	
Region 6	4, 409	2, 143	1, 476	790	284	1, 237	(3)
Colorado Iowa Kansas Minnesota	3, 497	1, 238	1, 476	783	33 20 68 59	461 163 103 113	Ë
Nebraska North Dakota South Dakota Wyoming				7	65 37 2	343 11 136 -	7
Region 7	129, 631	48, 082	29, 834	51, 715	1, 136	2,776	į 23p
Arizona California Idaho Montana Nevada Oregon Utah Washington			29, 834	1, 853	12 864 22 24 7 67 20 120	41 1, 814 96 95 413	Land S III
Territories and possessions.	51	1,100		51		150	
Alaska.				- 51	263	325	
American Samoa Canal Zone Guam Hawaii					7	40	
Puerto Rico Virgin Islands				51	24 225 1	278	Ę

FEDERAL CIVIL DEFENSE ADMINISTRATION

Dollar value of Federal funds obligated (pby fiscal year appropriations) Selected items approved for procure fiscal year appropriations
Total 431,822 165,948 205,874 300 149 40 9
Region 1
Region 1 95, 231 45, 145 50, 086 53 6 Connecticut 7, 692 3, 590 3 3 3 3 Maine 6, 237 1, 229 5, 086 3 3 3 3 Massachusetts 27, 589 21, 435 6, 154 22 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Maine 6, 237 1, 229 5, 008 11 3 Massachusetts 27, 589 21, 435 5, 008 11 3 New Hampshire 12, 221 3, 223 9, 068 22 3 New Jersey 12, 221 3, 223 9, 068 2 8 New York 37, 931 15, 688 22, 283 8 7 3 Rhode Island 2, 677 184 814 7 3 2 3 Rerion 2 160, 455 56, 829 93, 626 300 54 32 3 Delaware 2, 136 1, 533 603 1 1 2 1 2 1 1 2 3 1 2 3 1 3 1 2 3 1 2 3 1 3 3 1 2 3 3 1 2 3 3 1 3 3 3 2 3 3 3
Region 2
Delaware
Delaware Delaware
Ohio
Region 3
Alabama. 808 808 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Florida. 14,750 14,750 20,750
Tennessee 990 990
Ulinois 7,199 2,668 4,531 3
Indians
Region 5
Arkansas Louislana New Mexico Oklahoma
Texas 1,561 1,561 1
Agion 6
Colorado 136 136
North Dakota South Dakota Wyoming
gion 7. 93 c.46 , 7 90x 77 0x
Artisona. 1,216 1,216 3.750 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nevada Oregon 1 450050 4
Washington 47,522 5,735 41,787 10

ENGINEERING—ANNIANCE For Release 2003/07 9: CIA-RDP80B01676R00100030001-9 FIRE SERVICE —Continued

Region and State	funds	Dollar value of Federal funds obligated (by fiscal year appropria- tion)			Selected items approved for procurement				
Region and State	Total 2	1956/57	1955/56	8-inch steel pipe and fittings!	Porta- ble gen- erators	Port- able pumps	Water chlorin- ators	Wedner pearsth coefficies waster	
Territories and possessions								Transport of the second of the	

1 Number of feet.
2 Not programed for fiscal year 1952. Funds obligated for engineering in fiscal year 1953 and 1864 are under other services.

. FIRE SERVICE 1

,	Dollar val obligate appropr	Selected items approved for procurement (units)						
Region and State	Total	1953	1952	Pump- ers	Port- able genera- tors	Port- able pumps	13/4 inch hose (feet)	7
Total	9, 098, 272	6, 494, 909	2, 603, 363	1, 353	324	468	685, 019	2 130, 340
Region 1	2, 554, 623	1, 685, 619	869, 004	378	23	32	124, 500	57A 380
Connecticut		134, 774	32, 362	15 5	3	1	5, 500	2,00
Maine	249, 898	124, 619	125, 279	32	4	5	26,600	22 000
New Hampshire New Jersey New York Rhode Island Vermont	1, 505, 795 1, 527, 080 81, 443	317, 068 1, 045, 737 40, 150 23, 271	188, 727 481, 343 41, 293	77 233 13 3	16	3 15 8	23, 700 57, 700 2, 500 8, 500	C. MA CLAN LLAN LLAN
Region 2		1, 788, 784	642, 462	361	121	223	224, 730	53,780
Delaware District of Columbia Kentucky Maryland Ohio Pennsylvania Virginia West Virginia	221, 136 66, 223 27, 382 502, 444 1, 489, 036 125, 020	221, 136 41, 049 27, 382 290, 653 1, 111, 523 97, 041	25, 179 211, 791 377, 513	32 10 3 72 228 15	18 1 17 10 69 6	100 6 99 5	31, 900 126, 720	五 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Region 3	489, 812	417, 291	72, 521	71	5	1	42, 100	122,724
Alabama Florida	1,322 151,870	1, 322 151, 870		20			2, 200	2.36 2.36 2.36
North Carolina South Carolina Tennessee	12 462		·	32	2	·	1,000	45
D plot 1	1, 353, 919	929, 156	424, 760	206	28	65	52, 150	
Missouri Wisconsin	968 568 206,141	195 445 108 765 129, 775	2 5 636 2 159 806 2 76, 369	26 30 20	2		21 700 5 6, 100 4 14, 456 2 9, 400 1 500	110

See footnote at end of table

Approved For Release 2003/07/2 : CIA-RDP80B01676R001000030001-9

FEDERAL CIVIL DEFENSE ADMINISTRATION

	Dollar va obligate appropr	lue of Fede d (by fis iation)	Selected items approved for procurement (units)					
Region and State	Total	1953	1952	Pump- ers	Port- able genera- tors	Port- able pumps	inch hose (feet)	2½ inch hose (feet)
Region 5	343, 367	287, 390	55, 977	46	12	23	44, 094	128, 988
Arkansas Louisiana	11, 698 181, 244	11, 698 125, 267	55, 977	1 24	1 4	12	3,000 15,300	10, 000 43, 800
New Mexico Oklahoma Texas	49, 849 100, 576	49, 849 100, 576		4 17	4 3	6 5	14, 499 11, 250	42, 388 32, 800
Region 6	196, 802	130, 658	66, 144	20	4	97	38, 250	85, 455
Colorado	23, 398 17, 806 66, 330 89, 268	6, 633 17, 806 59, 871 46, 348	16, 765 6, 459 42, 920	4 4 8 2	4	52 43 2	2,900 3,500 27,300 4,150	6, 900 7, 000 39, 805 20, 000 9, 550
Nebraska North Dakota South Dakota Wyoming				i			400	2,20
Region 7	1, 477, 459	1, 107, 873	369, 586	219	136	40	145, 450	354, 45
ArizonaCalifornia	3, 571 1, 234, 607	3, 571 922, 676	311, 931	189	128	17	1, 400 107, 600	4, 15 272, 60
Idaho Montana Nevada	11, 567	11, 567		1		10	3,000	2, 80 4, 00
Oregon Utah Washington		65, 626 4, 832 99, 601	22, 079 35, 576	10 19	6 2	4 6 3	21, 500 1, 700 10, 250	25, 90 4, 60 40, 40
Territories and possessions	251, 044	148, 135	102, 909	52			13, 800	39, 80
Alaska American Samoa			102, 909	30			1,400	4, 80
Canal Zone	10, 579 99, 187	10, 579 99, 187		1 21			400 12,000	2, 00 33, 00

¹ The fire service program was in effect only in fiscal years 1952 and 1953.

HEALTH AND SPECIAL WEAPONS DEFENSE

Region and State	Dollar value of Federal funds obligated (by fiscal year appropriation)								
region and State	Total	1956/57	1955/56	1954	1953 and 1952				
Total	14, 901, 883	533, 571	1, 872, 493	877, 333	11, 618, 486				
Region 1	7, 451, 941	409, 957	1, 411, 594	367, 602	5, 262, 788				
Connecticut		3,941 1,9 09	7, 249 10, 906	53, 810 5, 549	318, 042 20, 218				
Massachusetts New Hampshire	26, 469	2, 908 3, 218 1, 212	3, 082 16, 329	4, 446 6, 639 54, 946	782, 738 13, 530 372, 456				
New York Rhode Island	5, 732, 839 16, 048	396, 465 224	1, 353, 949	236, 931 5, 281	3, 745, 485				
Vermont	633		663	104, 598	2, 315, 342				
Region 2	3, 301, 144	111, 524	444, 001	104, 380	4, 310, 514				
Delaware	. 100,680		7, 791 1, 467	8, 36 1	99, 21				
Kentucky	15, 820 485, 831	750 16, 088_	40, 760	15, 981	15,070 413,000				

HEALTH AND SPECIAL WEAPONS DEFENSE-Continued

Region and State	Dollar v	alue of Federa	al funds obli propriation)	gated (by fisc	al year
negion and state	Total	1956/57	1955/56	1954	1953 and 1952
Region 2—Continued Obio Pennsylvania Virginia West Virginia.	790, 137 1, 680, 407 103, 332 4, 092	28, 076 3, 405 1, 988	72, 246 85, 407 16, 095 321	87, 995 20, 096 21, 978 182	601, 529 1, 571, 486 62, 571 3, 586
Region 3	176, 479	1, 071	44, 810	19, 401	111.140
Alabama Florida Georgia Mississippi North Carolina	582 17, 473 26, 259 15, 863 27, 429	1,071	278 14, 461 5, 991 15, 863 7, 616	304 18,736	1, 603 603
South Carolina Tennessee	76 88, 797		601	361	ET, 655
Region 4	696, 640	2,019	90, 537	152, 831	40,30
Illinois Indians Michigan Missouri Wisconsin	37, 762 58, 657 234, 494 13, 726 352, 001	101 118	12, 843 1, 490 24, 809 51, 395	8, 896 1, 188 2, 268 140, 479	11.00
Region 5	34, 403	1,013	6,080	14,005	13,386
Arkansas Louisiana New Mexico	298 9,882	1,013	298 4, 174	4, 198	•
Oklahoma. Texas	13, 169 11, 054		553 1, 055	9, 807	12.04
Region 6	173, 560	2,845	20, 811	7, 581	102.238
Colorado Lovas Lovas Minases Minases Nebraska North Diskota South Dakota Wyoming	67, 025 13, 106 1, 094	125 2, 065	7, 550 6, 369 255 748 5, 506	1, 204 830 1, 271 4, 276	14, 139 27, 994 34, 341 14, 644 539
Region 7	2, 659, 361	3, 969	33, 304	144, 145	2 (77,14)
Arizona California Idaho	532 2, 195, 534		126 8, 159	274 101,846	2.054, \$51
Montana Nevada Oregon Utah Washington	889 150, 061 8, 148 304, 197	205 533	889 1, 153 710 22, 267	36, 481 5, 544	112 22 (96 27 (66)
Territories and possessions	402, 335		41, 270	17, 175	342.73
A laska American Samoa Canai Zone Guam Hawaii Puerto Rico Virgin Islands	65, 059 7, 191 777 263, 344 65, 979	1,175	3,777 106 31,191 6,196	10,552	34, 60 7, 10 67 239, 61 89, 76

HEALTH AND SPECIAL WEAPONS DEFENSE

Chemi cal war-fare defense Radiological defense Casualty care Region and State First sid station systems 200-bed emergen-cy hospitals Recipi-ent sets Gas masks Survey eters 7,628 9.572 6,712 107 2, 612, 810 313, 510 241, 648 19,627 37 1, 566, 667 207, 792 166, 755 10, 411 1,690 848 2, 273 222 12 413 10 144 1,451 21 10 1 7 299 179 183 40 816 153 7, 047 1, 000 35 320 1, 404 10,045 153 97 121 22 177 234 34 10 Maine Massachusetts New Hampshire 2, 700 333, 888 11, 450 1 22,734 18 1,200,000 22, 765 132, 540 w Jersoy..... w York..... 100 20 2, 351 Delaware District of Columbia Kentucky Maryland Ohio Pennsylvania 5, 179 8, 000 6, 836 15, 125 47, 243 301, 410 125 1, 400 306 250 26, 558 50, 235 185 268 62 5 90 4,093 1,373 80 10 322 53 40 7, 500 134 171 337 1, 655 75 20 14, 826 15, 822 250 1, 200 20 14 Virginia West Virginia... 286 10, 264 400 1.090 23 115 · · · î · 192 9,000 60 20 221 1,000 980 205 519 16 105, 186 14, 647 105 25 19 181 217 5 13, 825 144 2 6 56 783 126 35 138 10 70 15 35 458 364 6 26 500 27 247 20 150 50 1, 625 \$25 20 197 864 4,578 1, 592 321 1,812 25 778,000 ή 384 15 60 6 554 Approved For Release 2003/07/29 : CIA #80801676R0010000300017 Pr 1, 592 4, 544 34

HEALTH AND SPECIAL WEAPONS DEFENSE-Continued

	Selected items approved for procurement									
Alaska American Samoa Canal Zoue Guam Hawaii Puerto Rico	Casualty care			Blood		Chemical cal war- fare defense	Radiological defense			
	First aid systems	200-bed emergen- ey hospitals	Recipi- ent sets	Plasma	Expand- ers	Gas masks	Dosim- eters	Survey meters		
Territories and possessions	168		45, 036	7, 350	26, 330	150	120	214		
	30		12,000	2,000	2, 400		20	63		
Canal Zone Guam Hawaii	4 1 100 33		6, 036 27, 000	850 4, 500	23, 930	150	100	104 60		

POLICE SERVICES

Region and State		tue of Fede d (by fi istion)						
	Total	1956/57	1955/56	Badges	Holsters	Revolvers	Rainconts	
Total	109, 378	75, 225	34, 153	3, 688	667	569	3,061	
Region 1	22,327	22, 327		864	54	58	754	
Connecticut	3, 272 4, 079	5, 325 3, 272 4, 079		64 600 200	25 9 15	25 9 19	179 400 173	
New Hampshire New Jersey New York Rhode Island	1,865 7,654	1, 865 7, 654			5	5	50	
Vermont		132						
Region 2	56, 605	23, 604	33, 001	1,745	461	400	2,10	
Delaware			9, 588				1,000	
Maryland Ohio Pennsylvania Virginia West Virginia	815 5, 562 38, 177	815 5, 562 14, 764 2, 463	23, 413	63 1,682	461	4 396	100 963 960	
Region 3	2, 676	2, 107	569	495	50	50		
Alabama Florida Georgia	662	662		195				
Mississippi North Carolina South Carolina	-		.					
Tennessee	787	218	569	300		<u>'</u>		
Region 4	22, 687	22, 349	338	272	10	10	90	
Illinois Indiana Michigan	755 165	165	194	1 38 50	10		-	
Missouri Wisconsin	1, 348 20, 140	1.348 20.140		. 108			.l *	

POLICE SERVICES—Continued

Region and State		lue of Fed od (by fl riation)		Selected	proved for p (units)	ed for procure- uits)		
	Total	1956/57	1955/56	Badges	Holsters	Revolvers	Raincoat	
Region 5								
Arkansas Louisiana New Mexico Oklahoma Texas								
Region 6	871	871		50				
ColoradoIowa								
Kansas Minnesota Nebraska	871	871		50		14		
North Dakota South Dakota Wyoming					l			
Region 7				262	92	37	3	
		.,					<u>-</u>	
Arizona California	3, 109	2,864	245	262	92	37	3	
Idaho Montana Nevada								
Nevada Oregon Utah	1, 103	1, 103						
wasnington								
Territories and possessions								
Alaska					 	1		
Canal Zone Guam Hawaii					\			
Puerto Rico Virgin Islands					i			

PUBLIC CD INFORMATION AND EDUCATION

Region and State	Dollar v		al funds obl opropriation	igated (by fisc	al year
	Total	1956/57	1955/56	1954 1	1953
Total	729, 057	119, 005	267, 596		342, 456
Region 1	272, 711	64, 346	78, 121		130, 244
Connecticut	7, 967 15, 431	1, 558 4, 084			3, 043
Massachusetts New Hampshire	38, 507	29, 050	4, 111		5, 346
New York New York Rhode Island	23, 411		3, 830		18, 336 102, 754 382
Vermont	2, 070	897	790		383
Region 2	237, 124	30, 031	91, 835		115, 258
Delaware District of Columbia Kentucky	4, 505 19, 855 1 963	963	3, 542 19, 855 1, 387		566
Marviand	91 703	7 875	2,500		10 419
Ohio Ponnsylvania Virginia	71,031	2, 103 17, 096	30, 786		74, 150 23, 149
Virginia. West Virginia.	447	2, 194			6, 441 334

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PUBLIC CD INFORMATION AND EDUCATION—Continued

Region and State	Dollar v	alue of Feder a	al funds obli ppropriation	gated (by fise)	eal year
region on a state	Total	1956/57	1955/56	1954	1953
Region 3	62, 086	3, 729	25, 104		33, 253
AlabamaFlorida	7, 263 3, 724	615 600	4, 679 2, 698 13, 704		1,960 CM 27,683
Georgia	43, 853 736 618	2, 514	285 462		431 134
South Carolina Tennessee	50 5, 842		3, 276		56 2 54
Region 4	58, 301	3, 922	38, 209		16, 170
Illinois Indiana Michigan Missouri Wisconsin	7, 414 9, 487 19, 266 12, 821 9, 313	365 1, 126 2, 273 158	7, 049 4, 154 11, 203 9, 125 6, 678		4, 200 5, 750 3, 536 2, 635
Region 5	28, 816	2, 342	12, 027		14,467
Arkansas Louisiana New Mexico	199 12, 308	1, 877	199 8, 236		2, 196
Oklahoma. Texas	181 16, 128	465	3, 592		191 12,071
Region 6	19, 776	1, 109	15, 665		3,000
ColoradoIowa	11, 732	150	10, 260		1, 322
Kansas. Minnesota Nebraska North Dakota	3, 871 3, 329 797	268 691	3, 825 1, 474 106		84 1, 540
South Dakota	47				6
Region 7	38, 169	13, 381			24, 794
Arizona California Idaho	199 29, 911	11, 585			19/ 15, 338
Montana Nevada Oregon	43 4, 523	735			3,79
Utah Washington	1, 7 04 1, 789	1,061			1.70
Territories and possessions	12, 074	145	6, 635		5, 29
Alaska American Samoa	2, 198		1, 337		86
Canal Zone Guam Hawaii Puerto Rico Virgin Islands		145	5, 298		4, 43

Included under training and education in 1952 and 1954.

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Total		F	RESC	UE S	ERV	ICE				
Total 1956/57 1955/56 1954 1952 Region and greeous with without total total from the property of t		Dollar (b	value of y fiscal y	Federal f rear appr	unds obl	igated	Selecte pr	d items a	approved at (units)	for
Region 1	Region and State	Total	1956/57	1955/56	1954	1953 and 1952	rescue	and trailers with	and trailers without	Sets of tools
Region 1	Total	2, 390, 861	145, 748	592, 124	555, 028	1, 097, 961	27	427	171	384
Connecticut. 39, 211 9, 70 13, 750 315 14, 946 11 11 11 Massing lampshire 14, 845 31, 386 28, 250 20, 389 105 1 1 11 12 12 12 12 12				181, 785	169, 967	346, 395		91	73	142
Massachusetis		60, 240	9, 707	11, 557	16, 673	22, 303 14, 946			5	4
New Hampshire. 4, 279	Maine Massachusetts	151.845	31, 386	28, 255	20, 389	71,815			14	20
New York	New Hampshire	4, 279		54 235	26, 992	41, 399		28	4	5
Vermont	New York	265 373	17,880	63.875	92, 334	191, 284		27	50	112
Region 2	Rhode Island	18,637	9 720	5,010	9, 084 526	4, 543				
Delaware	vermont			_				100		90
District of Columbia. 1,000 1,00	Region 2	699, 398	58, 565				13		- 51	
Region 3	Delaware		115	19, 887	3,826					3
Pennsylvania	Kentucky	4, 696	12 072	37 634	15 537	17 074	4	21	1	20
Pennsylvania	Ohio	199, 184	10,012	30 843	44,718	123, 623		37		20 21 43
Region 4.	Pennsylvania	290, 770	26, 163	128, 849	31, 151	13 922			31	1
Region 3.	Virginia West Virginia	3, 433	18, 415	21,900	3, 433	10, 022	- -	1		2
Alabama. Florida. 9,366 9,306 1,50 1,11 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1	=		5, 313	28, 282	25, 019	49, 286		30	3	3
Georgia	Alabama							11	11	i
North Carolina 21,088 5,313 6,812 4,132 4,831 4 1	Florida	9,366		9,300	7, 650	34, 342			1	
South Carolina 16, 483 3, 104 4, 388 8, 861 10 Region 4 196, 731 6, 156 43, 449 119, 185 27, 941 3 34 8 Illinois 70, 405 5, 750 2, 628 50, 222 11, 805 8 Illinois 70, 405 130 14, 850 1, 423 1, 443 1, 445 1	Mississippi	18, 971			8,839	1, 132				<u>-</u>
Tennessee	North Carolina	. 21,088	5, 313	6, 812	4, 132	4, 831			1	
Highest 1,000 1,	Tennessee	16, 483		3, 104	4, 398	8, 981		10		1
Indiana	Region 4	196, 731	6, 156	43, 449	119, 185	27, 941	3	34	8	15
Indiana	Illinois	70, 405	5, 750	2, 628	50, 222	11, 805				
Missouri	Indiana	16, 466	193	14, 850	1, 423	E 020		15	8	9
Wisconsin 32,962		19 954	213	1,993	7, 655	10, 306		. 1		. 6
Region 5.	Wisconsin	32, 962			15, 755		. 1	5		
AFRAISSIS 27, 305 5, 5026 8, 925 12, 668 746 8 1 1 New Mexico 7, 583 1 6, 592 691 12, 668 746 1 1 1 Oklahoma 68, 227 10, 765 10, 104 47, 358 1 1 1 Texas. 68, 227 10, 765 10, 104 47, 358 1 1 1 Texas. 68, 227 10, 765 10, 104 47, 358 1 1 1 Region 6. 130, 601 4, 076 14, 932 10, 966 101, 527 27 9 Colorado 16wa 9, 617 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		113, 627	7, 032	29, 140	29, 351	48, 104	2	24	2	3
New Mexico	A rleaneas	10, 512	2,006	2, 558	5, 948		. 2			
Oklahoma	Louisiana	27, 305	5, 026	8, 925	12, 608	746		8	1	
Texas	Oklahoma	7,583		6,892						3
Region 6	Texas	68, 227		. 10, 765						
Section Sect	Region 6	130, 601	4, 076	14, 932	10, 066	101, 527			- "	37
Kansas 686 686 120, 2288 4, 078 14, 2345 10, 086 91, 910 20 9 Nebrasks North Dakota South Dakota Wyoming 7 372, 833 2, 904 44, 470 84, 298 242, 161 9 93 19 Arizona 8, 430 7, 132 339 968 4 62 17 Idaho Montana Nevada Oregon 63, 457 347 32, 890 16, 973 13, 447 12 1		0.617				9 617				
Meinanesees 120, 298 4, 076 14, 246 10, 056 91, 910 20 9		686						. 1		
North Dakota South Dakota Wyoming Region 7		120, 298	4,076	14, 246	10,066	91, 910		- 20	9	37
South Dakota Wyoming				-			_			
Region 7 372, 633 2, 904 44, 470 84, 298 242, 161 9 93 19 Arizona. 8, 439 7, 132 339 908 4 62 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	South Dakota					-				-
Arizona S. 4.30 S. 7.132 339 968 4 62 17 California 261, 564 2, 567 3, 750 66, 152 189, 125 5 62 17 Idaho Noviena Corgon 63, 457 347 32, 669 16, 973 13, 447 12 148h 148h 148h 150 1	Wyoming		-						-	-
California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 2, 567 3, 756 66, 152 189, 125 5 62 17 California 261, 664 261, 664 261, 664 261, 664 California 261, 664 261, 664 261, 664 261, 664 California 261, 664 261, 664 261, 664 261, 664 California 261, 664	Region 7	373, 633	2,904	44, 470	84, 298		_' `	١.	19	94
Nevada Oregon. 63,457 347 32,660 16,973 13,447 12 1 (14h) 546 538	California Idaho	8, 439 261, 594	2, 567		339 66, 162				17	8
Oregon 63, 457 347 32, 660 16, 973 13, 447					. 1					
	Oregon	63, 457			16, 973	13, 447		, ,	-	
is controlled and a second and				. 888	924	38, 621				
	waningwii		-		=		= ===	-;	-	= ====

	Dollar (l	value of oy fiscal	Federal year app	funds ob ropriatio	ligated n)		ed items rocuremo		
Region and State	Total	1956/57	1955/56	1954	1953 and 1952	Basic rescue kits	Trucks and trailers with tools	Trucks and trailers without tools	Set of tools
Territories and possessions	8, 922		4, 950		3, 972		8		
Alaska American Samoa Canal Zone	583				583		2		
Guam Hawaii Puerto Rico	3, 389 4, 950		4, 950		3, 389		2 4		
Virgin Islands									

TRAINING AND EDUCATION

Region and State	Dollar v	alue of Fed ye	ieral funds ar appropr	obligated iation)	(by fiscal	Selected pro	items apved
	Total	1956/57	1955/56	1954	1953 and 1952	Courses given	Persons trained
Total	6, 184, 093	413, 992	693, 129	573, 494	4, 503, 478	755	73, 952
Region 1	1, 880, 128	227, 184	142, 684	122, 824	1, 387, 436	49	14, 553
Connecticut	104, 909	9, 752	28, 679	4, 111	62, 367	18	506
Maine	35, 538	5.442	3, 637	1,376	25, 083	-8	250
Massachusetts New Hampshire New Jersey	189, 869	13, 515	30, 264	5, 147	140, 943	i.	
New Hampshire	21, 102	3, 671	1, 591	1, 776	14, 064		•••••
New Jersey	176, 769	13, 960	38, 620	23, 818	100, 371	2	150
		177, 440	36, 568		1. 021, 185	21	13, 333
Rhode Island	14, 384	356	427	376	13, 255	1	10, 333
Vermont	16, 769	3,048	2.898	625			,
	·	3,096	4,080	020	10, 198		
Region 2		75, 992	173, 847	76, 688	776, 013	439	30, 820
Delaware District of Columbia	47, 378	2,379	13, 699	383	30, 917	4	3,385
District of Columbia	241				241		
Kentucky	13, 042		275		12, 767		
Maryland	162.459	4, 401	6.488	1, 506	150,064	66	1, 225
Ohio	396 695	15, 244	43, 665	38, 972	298, 814	321	18, 107
Pennsylvania	407 370	49, 214	104, 795	30, 663	222, 707	48	8,103
Virginia	73, 797	4,754	4,925	4, 592	59, 526	J 30	0.100
Virginia West Virginia	1, 549		2, 020	572	977		
Region 3	000 5						
		13, 613	99, 775	73, 208	150, 181	48	2,740
Alabama	102, 930	594	25, 790	39, 414	37, 132		
Florida	74, 583	8, 656	39, 022	2, 059	24, 846	48	2,740
Georgia	61, 382	2, 469	25, 574	22, 406	10, 933		4,120
M ississippi	2.500	,	2, 010	,			
North Carolina	5, 386		72	3, 826			
South Carolina.	9, 043		12	3, 020	1, 400		
Tennessee.	80, 953	1.894			8,044		
· chiicosee	80,833	1,094	7, 307	5, 503	66, 249		
Region 4	445, 920	10, 467	35, 615	71, 064	328, 774		10, 157
Illinois	47, 898	1, 821	5, 508	18, 969	21, 598	1.5	
Indiana	56.367	718					
Winhigan	217, 103	/15					900
Missouri	217, 103	3, 769	10,082	8, 977	194, 575	ن	416
14. 1800ti 1	50, 150	3, 554	3, 558	21, 355			1, 882
Wisconsin		605	8, 709	20, 838			6, 345
Perion *		60, 311	75, 937	49, 877	81, 404	76	3, 456
Arkalisas	12, 257	2, 420	9. 073		764		
Argaisas Louisigns Vers Mexico	64, 003	8, 617	5, 340	2,355	45, 021		

Oklahoma Texas	72 649	41, 909 7, 335	48, 352 9, 572	25, 399 21, 623	2, 900 34, 119	24	1, 343
- CALCALLE STATE S		1,000	0, 012	21, 023	34, 119	52	2,093

ANNUAL REPORT, 1956 Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9 RESCUE SERVICE—Continued TRAINING AND EDUCATION—Continued

Region and State	Dollar v	alue of Fed	Selected items ap- proved				
	Total	1956/57	1955/56	1954	1953 and 1952	Courses	Persons trained
Region 6	297, 161	12, 148	10, 720	24, 659	249, 634	25	2, 58
Colorado Iowa	33, 849 15, 054		609	1, 917 501	31, 323 14, 553		
Kansas	100, 476	485	2, 746	. 11, 186	86, 059		
Minnesota	79, 596	1, 204	4,344	7, 576	66, 472	17	1, 79
Nebraska	42 157	10, 091	2, 361	3, 251	26, 454	l i	1, 15
North Dakota	20, 758	255		0, 201	20, 503		
South Dakota	780				780		
Wyoming	4, 491	113	660	228	3, 490	7	750
Region 7	1, 686, 479	13, 669	151, 807	150, 517	1, 370, 486	79	9, 581
Arizona	29, 711		4, 741	2, 426	22, 544		
California	1, 388, 253	12, 125	92, 835	110, 748	1, 172, 545	75	9, 191
Idaho	386	100		286	-,,		0, 10.
Montana	1, 492	101	108	212	1,071		
Nevada	17, 617				17, 617		
Oregon	87, 225		20, 965	13, 785	52, 475		
Utah	28, 686	462	2, 482	3, 438	22, 304	3	90
Washington	133, 109	881	30, 676	19, 622	81, 930	i	300
Territories and possessions	167, 550	608	2, 744	4, 657	159, 550	1	60
Alaska	28, 478		132	3, 421	24, 925		
American Samoa							
Canal Zone	77			77			
Guam	6, 343		559		5, 784		
Hawaii	58, 038		1, 638	831	55, 569		
Puerto Rico	73, 161	142	_, 000	328	72, 691		
Virgin Islands	1, 462	466	415	020	581	1	60

WELFARE SERVICE

	Dollar (i	value of oy fiscal	Federal year app	Selected items approved for procurement (units)					
Region and State	Total	1956/57	1955/56	1954	1953 and 1952	Blank- ets	Food and liquid carriers	Port- able stoves and burners	Stock
Total	290, 018	43, 190	82, 776	101, 692	62, 360	24, 217	235	503	262
Region 1	116, 013	24, 128	50, 156	35, 968	5, 761	4, 030	71	273	46
Connecticut Maine Massachusetts	1, 978 18, 298 14, 807	609 10, 800	872 5, 362 1, 125	497 7,684 2,882	5, 252	3, 500	4 20 20	4 251	20 12
New Hempshire New Jersey New York Rhode Island	34, 389 35, 628 10, 104	12, 719	16, 099 16, 594 10, 104	300 18, 290 6, 315	509	30 300 200	5 18 2 2	4 5 9	
Vermont	107, 376	16, 494	22, 233	54. 015	14 634		48	214	200
Delaware District of Columbia	1, 960					600	,,		7.00
Kentucky Maryland Onio Pennsylvania Virginia	48, 463 49, 190 6, 559 1, 204	222 15, 272	5, 125 11, 566 2 378 1 204	43. 116 9, 695 2. 204	12,657 1 977	400 1), 800 612	¥2	200	2 168

Adam .

WELFARE SERVICE—Continued

	Doller	value of	Federal	funds ob	ligated	Salant	ed items	approva	d for
		y fiscal					ocureme		
Region and State	Total	1956/57	1955/56	1954	1953 and 1952	Blank- ets	Food and liquid carriers	Port- able stoves and burners	Stock
Region 3	841	' 	841						
Alabama Florida Georgia									
Mississippi North Carolina South Carolina	200		200						
Tennessee									
Region 4	23, 995	1,868	5, 317	299	16, 511	3,075	100		
Illinois Indiana Michigan Missouri Wisconsin	324 16, 891 4, 411 138 2, 231	1, 868	324 380 4, 250	161 138					
Region 5	! <u> </u>						·		
Arkansas Louisiana New Mexico								i	
Oklahoma									
Region 6	826		420	406					
Colorado Iowa			420	406		200			
Kansas Minnesota Nebraska									
North Dakota South Dakota Wyoming									
Region 7			3, 809		25, 454	4. 500	16		
ArizonaCalifornia	1 432			1, 432					
Idaho									
Nevada Oregon Utah	12, 204	700	1, 932	9, 572					
Washington	27, 331		1,877		25, 454	4, 500	16	16	K
erritories and posses-									
American Samos									
Canal Zone									
Canal Zone Guam Hawaii Puerto Rico									

OTHER SERVICES

_	IIII Di	DIC A LOI	213		
Region and State	Dollar v	alue of Feder	ral funds obl propriatio	igated (by fi	scal year a
	Total	1956/57 1	1955/56 1	1954 1	1953 1
Total	179, 165	5 20, 451	11, 19	6, 379	141,
Region 1	66, 236	6 451	7, 57	1	
Connecticut	7, 025				58,
Maine		102	0, 57	t	
Massachusetts New Hampshire					
New Jersey	1,000	'	- 1,000)	
New Jersey New York	58, 211				- 58,
Rhode Island Vermont					
Region 2	24, 013				- 24,
Delaware				-	
District of Columbia			-		
Kentucky Maryland			-		
Ohlo	24, 013				24,
Pennsylvania Virginia					24,
West Virginia		-			
legion 3	1,750		1,750		
Alabama					
Florida Georgia					
Mississippi	- 1, 750		1,750		
North Carolina		-		-	
South Carolina Tennessee	-				
I citalessee		-l <u></u>		.	
egion 4	. 26, 279			6, 379	19,
Illinois				0,015	19,
Indiana Michigan					
Missouri	11, 967 14, 312				11,
Wisconstn	14, 312			6, 379	7,
egion 5					
Arkansas	118		118		
Louisiana					
Louisiana New Mexico	118		118		
Oklahoma					
Texas					
egion 6	1,892		1, 402		
Colorado	1,402		1,402		
Iowa			1,402		
Kansas Minnesota	490	 -			4
Nebraska					
North Dakota.					
South Dakota					
gion 7	58. 877	20, 000	347		38, 5
Arizona California	121				
	58, 037	20,000			38, 0
Idebo	00,001				
Montana					
Montana					
Montana	521		347		
Idaho Montana Nevada Oregon Utah			347		
Idaho Montana Novada Oregon Utah Washington	521		347		
Idaho Montana Novada Oregon Utan washington reftories and possessions	521		347		
Idaho Montana Nevada Oregon Utah Washington ritories and possessions	521		347		
Idaho Montana Novada Oregon Utah Washington reftories and possessions Alsaka	521		347		
Idaho Montana Novada Novada Oregon Utah Washington rritories and possessions Alaska Alaska Alicidua Samua Gana Zone	521		347		
Idaho Montana Newada Oregon Utan Washington ritories and possessions Alaeka Alaeka Alaeka Guan Harada	521		347		
Idaho Montana Novada Novada Oregon Utah Washington rritories and possessions Alaska Alaska Alicidua Samua Gana Zone	521		347		Y P

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These funds were principally for police items in 1953, engineering items in 1954, and evacuation studies in 1955/56 and 1956/57.

STATE CIVIL DEFENSE COUNCILS AND ADVISORY COMMITTEES

There are several national groups which help to shape civil defense planning and policy, such as:

(1) The National Civil Defense Advisory Council appointed by the President in accordance with Public Law 920, 81st Congress.

(2) The Civil Defense Coordinating Board created by Executive Order 10,611 in May 1955, with representatives from 17 major Federal agencies to assist in developing a civil defense plan for all Federal departments and agencies.

(3) The Civil Defense Scientific Advisory Committee created in 1954 under authority of section 102 (b), Public Law 920, 81st Congress, to assist FCDA in major scientific problems affecting civil defense.

(4) The National Advisory Council for Rural Civil Defense established in December 1955 by the FCDA Administrator.

Just as Civil Defense Advisory Councils and Committees are needed at the national level, so the need for such groups has been recognized by the States. All except eight States have a Civil Defense Council or Advisory Committee, or both. They are by States:

STATE CIVIL DEFENSE COUNCILS AND ADVISORY COMMITTEES

			OTATTA:	HITEES			
	States having a civil de- fense	Т	ype		States having a	Т	уре
Region and State	council or ad- visory commit- tee	Council	Com- mittee	Region and State	civil de- fense council or ad- visory commit- tee	Council	Com- mittee
Region I: Connecticut Maine. Massachusetts New Hampshire. New Hampshire. New Creev. New Creev. New Hampshire. Delaware. District of Columbia Kentucky Maryland Ohio. Pennsylvania. Virginia. West Virginia. West Virginia. Legion 3: Alabania.	X X X X X	X X X X X X X X X X	X X X	Region 4: Illinois. Indiana Michigan Missouri. Missouri. Regionsin Regionsin Avanasa. Louisiana New Mexico Oklahoma Tovas. Region 6: Colorado Iowa. Kansas Mimesota Nebraska Nebraska Nebraska	X X X X X X X X	(3) (6) (7) X X X X X X X X	(4) (3) (4)
Florida Georgia Mississippi Vorth Carolina Suth Carolina Futh Carolina	X X X	(a) (b) (c) (c)	(e)	Wyoming Region 7- Arizona California idano	X X X X X	XXXX	(1) Nine
				Oregon Utah Washington	X X X X X X	(3) X X X	(¹) Six X Nine

CIVIL DEFENSE PERSONNEL

The tables that follow show summaries of the number of persons currently enrolled in civil defense as reported by the District of Columbia and 42 of the 48 States. The figures include those persons who are actively enrolled in civil defense and who have been notified of their civil defense assignments—paid or volunteer, full or part-time personnel. FCDA has been unable to obtain data on this subject from six States.

The tables reflect personnel status as of June 30, 1956, but due to differences in reporting systems, the figures for seven States cover a period ranging from December 31, 1955, to August 1956. The figures from many States represent their best available estimates rather than actual counts. They should therefore be used as estimates only and with some caution.

NUMBER OF PERSONS ENROLLED IN CIVIL DEFENSE By State

Region and State	Number of persons enrolled	Region and State	Number persons enrolled
Total	1 (4, 471, 073)	Region 5	383, 65
Region 1	1 (1, 446, 153)	Arkanege	
Connecticut	89, 065	Louisiana New Mexico Oklahoma	94, 90
Maine			
		Oklahoma. Teras	87, 05
		Texas	143, 25
		Region 6	-10, 20
New York Rhode Island	756, 088	Region 6	350, 53
Vermont	NR	Colorado	53, 51
			49, 086
Region 2	908, 038		44, 950
		Minnesota	70, 551
Delaware	7,707	Nebraska North Dakota	53, 89/
		North Dakota	22, 496
Monday	15, 969	South Dakota	43, 826
Kentucky Maryland	55, 715	Johning	12 214
Ohio	202, 059	Region 7.	
		rickion (1 (702, 537
Virginia Wast Virginia	55, 129	Arizona	(111,00)
West Virginia	48, 278	Arizona California	NR
		California Idaho	494, 168
Region 3	323, 656		NR
Alabarna			23, 589
Alabama.	21, 491		7, 197
Florida	73, 282		41, 588
		Utah.	14, 918
	12, 217	Washington	121,077
North Carolina	85, 987	į.	,
	14, 128		
- OMMODOC.	60, 520		
legion 4	1 (357, 997)		
Minuis		i	
Minois	259, 815	,	
		;	
Missouri	NR	'	
Wisconsin	NR ,	1	
	NR		

Approved For Release 2003/07/29: CIA-RDP80B01676766400003000429NSE ADMINISTRATION NUMBER OF PERSONS ENROLLED IN CIVIL DEFENSE

By Program

mber of ersons prolled	Service or program	Number of persons enrolled
379, 890 395, 530 563, 720 433, 134	Police—regular and auxiliary Public information—officers and staff. Radiological defense. Resence—light and heavy duty, indus- trials, etc. Supply. Training and education—including training officers, but NOT includ- ing those counted in other services listed above or below. Transportation. Warden. Other.	429, 205 5, 383 22, 818 105, 434 22, 339 36, 620 473, 653 392, 652 176, 408
	rsons rolled 471, 073 79, 608 181, 851 379, 890 395, 530 563, 720 433, 134	resons Service or program 471, 073 79, 608 181, 851 181, 851 179, 800 379, 800 379, 800 379, 800 379, 800 370, 800 371, 800 372, 800 373, 800 374, 800 375, 800 375, 800 376, 800 377, 800 378, 800 379, 800 370, 800 370, 800 370, 800 371, 800 372, 800 373, 800 374, 800 375, 800 376, 800 377, 800 378, 800 378, 800 379, 800 370, 800

This total is for the District of Columbia and 42 of the 48 States,

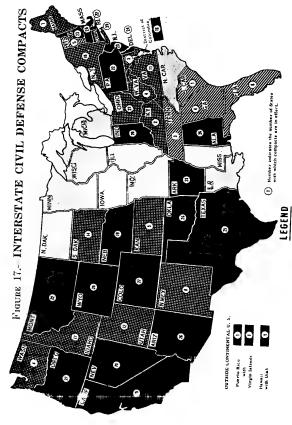
INTERSTATE CIVIL DEFENSE AND DISASTER COMPACTS

The Federal Civil Defense Act of 1950, as amended (subsec. 201 $\left(g\right)),$ authorizes the Administrator to encourage, and to assist in, the negotiation of civil defense compacts between States and to review the terms and conditions to obtain uniformity in them and consistency with national civil defense plans and programs, where feasible. The Administrator is also authorized to assist and coordinate activities under such compacts. The act establishes congressional procedure for the granting of the consent of Congress to civil defense compacts.

Such a device as the interstate compact was considered necessary by the Congress to avoid Federal centralization of civil defense operations and at the same time to avoid excessive decentralization which might result if each State could operate in civil defense matters only as a separate entity. The interstate compact provides a broad base of legal authority for joint civil defense action by two or more States.

A model compact which was developed by the Office of Civil Defense of the National Security Resources Board in conjunction with representatives of the Council of State Governments has been followed by the States in executing civil defense agreements. There have been no substantial changes in its terms except in several of the Southeastern States, which have executed compacts which do not contain authority for interstate operations in natural disasters. Vermont is the only other State which deviates from the model in this manner. Some of the Ohio compacts contain a substantial deviation n article 3 in the rights, privileges, and immunities clause. However, ill except a few of the Ohio compacts have now been brought into line with the model by amendment of this article.

The compacts authorize supplementary agreements which are effective without being submitted to the Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9



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ments, either formal or informal, have been entered into between many States under this authority. These agreements set out in detail plans of operations in the fields of the various civil defense services, such as police, medical, welfare, and others.

While considerable progress has been made by the States in effectuating interstate civil defense compacts, there are some areas of the country which have lagged in establishing this authority, as indicated in figure 17. In view of the survival plan program which FCDA has initiated, it is especially important that all States establish the necessary basic legal framework for operating across State boundaries.

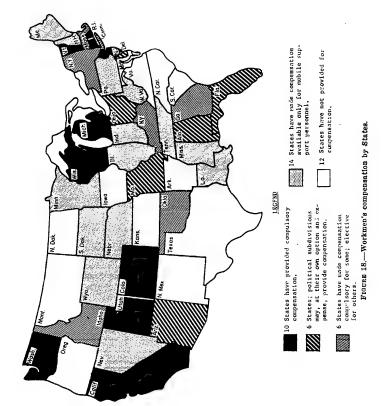
Thirty-eight States and the District of Columbia, Hawaii, the Virgin Islands, and Puerto Rico, have at least one interstate civil defense compact in effect. The compacts of 33 of these States are in the terms of the model; however, 13 of these 33 have not offered to compact with all other States. Ten States do not have civil defense compacts, i. e., Illinois, Iowa, Louisiana, Michigan, Minnesota, Mississippi, Missouri, North Carolina, North Dakota, and Wisconsin. Only one State in this group (Iowa) has no statutory authority to enter into such compacts.

Of the 38 States, 5 (Alabama, Arizona, Colorado, Oklahoma, and Oregon) have compacts with more than 25 other States; 17 have compacts with from 16 to 25 others; 7 have compacts with from 6 to 15 others; 9 have compacts with from 1 to 5 others.

All of the States have not followed the same method of either authorizing or effectuating compacts. Some of the State legislatures have conferred general authority upon the Governor to enter into civil defense compacts with other States; others have authorized the Governor to enter into interstate civil defense compacts in terms set out in a special Compact Act. A majority of the States have followed the procedures for effectuating compacts set out in FCDA Advisory Bulletin No. 32 and Supplement No. 1 thereto. Some have followed different methods of consummation, usually by executing a separate instrument with each State and forwarding a copy of each such instrument to Congress.

WORKMEN'S COMPENSATION FOR CD PERSONNEL

Thirty six States have adopted legislation providing for compensation to special categories of, or all, civil defense workers who may be injured while in training or on duty or under other specified conditions. In four States (California, New York, Ohio, and Knode Island) this has been done by amendment to the State Workmen's Compensation Law, while in the remaining States which have entered the state of the state of the state which have entered the state of the state



acted this type of legislation it has been done by the State Civil Defense Act or amendments thereto. Approved For Release 2003/07/29: CIA-RDP80B01676R001000030001-9

In 12 States (California, Colorado, Connecticut, Maine, Massachusetts, Michigan, New Jersey, New York, Ohio, Rhode Island, Washington, and Wisconsin) either compulsory or elective coverage is provided for all types of civil defense workers and for periods while in training, practice, or on duty. The other States have limited coverage to specified civil defense workers, such as members of mobile support units or those rendering aid outside of their own political subdivisions, or police and rescue personnel. In some States coverage is also limited to injuries received during attack or while on actual duty or while performing specified services.

Under most of the provisions the covered volunteer civil defense workers are classified as employees of the State or given the same rights as State employees for purposes of the Workmen's Compensation Law. In some States they are classified as employees of the

sponsoring local political subdivision.

In general, benefits under the State Workmen's Compensation Law are applied to civil defense workers who are covered. In California and New York, where coverage for special workers is provided by amendment to Workmen's Compensation Laws, the benefits are less in some respects for these workers than for others. In Massachusetts, where coverage has been included in the State Civil Defense Act, benefits for civil defense workers are greater in some respects than those for regularly covered workers. New Jersey has a special benefit system for civil defense workers.

Civil defense workers who are on a paid basis generally are subject to the same protection for injuries while on duty as other public employees who are on a paid basis. Figure 19 summarizes the main provisions of laws relating to workmen's compensation for civil defense personnel.

AMERICAN NATIONAL RED CROSS COOPERATION

The American National Red Cross participation in the national civil defense program expanded during the year following a series of conferences between officials of FCDA and the Red Cross and an exchange of letters between the Administrator and the president of the Red Cross.

To effect a closer working relationship, the Red Cross created the position of assistant to the president on civil defense affairs in its national headquarters, and arranged for a full time liaison officer at FCDA National Headquarters. In addition, Red Cross representatives for liaison and program panning were detailed to each f FCDA's seven regional offices, some on loan, others continuing in the employ of the Red Cross. FCDA, in turn, added new members to its real-face at 6 to work with the Red Cross.

	Compensation Provided by					
. State	Amendment to Workmen's Compensation Act	State Civil				
Alabama						
Arizona						
California						
Colorado		a.				
Connecticut						
Delaware						
Florida						
Georgia						
Idaho						
Illinois						
Indiana						
Kentucky		[·				
Louisiana						
Maine						
Massachusetts						
Michigan						
Minnesota						
Mississippi						
Missouri						
Nebraska						
Nevada						
New Jersey		-				
New Hampshire		a.				
New York	***************************************	***************************************				
Ohio						
Oklahoma	000000000000000000000000000000000000000					
Pennsylvania						
Rhode Island	***************************************					
South Dakota						
Tennessee						
<u>Utah</u>						
Vermont	 					
		4164-1-14 				
Washington						
West Virginia	ļ					
Wisconsin						
Wyoming						

- a. By special legislation.
- Compulsory for volunteer unpaid firemen other volunteer unpaid personne!
- other volunteer unpaid personne!.

 c. Compulsory for certain civil defense per
- to its welfare staff to work with the Red Cross.

 Approved For Release 2003/07/29: CIA-RDP80B01676R00 10000306645; no benefits for others.

 e. Only to the extent as provided for sheri police.

Compensation Amendment to Workmen's	Provided by	Benefits fo Civil Defens Ap	r All State e Personnel proved For Re	Benefits for Subdivision lease 2003/07/2	All Political CD Personnel 29: CIA-RDP80	Benefits B01676R0010	for Mobile	Benefits Available	Rehabil-
	Defense Act	Compulsory	Elective	Compulsory	Elective	Compulsory	Elective	While Training	itation Aid Provided
					g.		g	i. '	i.
					g.		g. <	i.	i.
									i.
	a.				45, 347,1				i.
			2.42.13		1				i.
					8•		g.	i.	i.
					8.		g.	i.	i.
			7 1 1 1					j.	i.
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	a.	35500000000000000000000000000000000000						i.	1.
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200200000000000000000000000000000000000	(2)			***************************************					
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							8•	g.	i.
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									1.
					·, -:			i.	i
		f.		f, '					
<u>``</u>	<u> </u>								<u>i.</u>

legislation.

for volunteer unpaid firemen and policemen; elective for eer unpaid personnel.

for certain civil defense personnel, elective for others. for firemen and policemen performing civil defense activ-

merits for others,

- h. Compulsory for State, county and city personnel; elective for town personnel.
- 1. No specific provision
- j. Compulsory for mobile support personnel; elective for political sub division personnel.
- k. Elective.
- extent as provided for sheriffs, constables and local 1. Compulsory for State personnel; elective for political subdivision personnel.

nnel acting as employees of a private paragraph of Paragraph of CIA-RDP80B01676R001000030001-9 activities. Banafits are for injuries only not death

In late 1955, FCDA and the Red Cross cooperated in relief work in a number of natural disasters, particularly the floods on the west and east coasts. During these operations both agencies were able to clarify their respective responsibilities and familiarize one another with policies and procedures.

At the request of FCDA, the Red Cross has helped to improve and speed civil defense training in first aid, home nursing, and emergency feeding. During fiscal year 1956 the Red Cross awarded 852,000 first aid certificates and 216,800 home nursing certificates.

During the year the Red Cross began work on a new standard first aid course which will include techniques for the treatment of illness and injury resulting from enemy attack. The new course will be the first aid training course for civil defense workers and the general public, and will be publicized jointly by FCDA and Red Cross.

Recognizing Red Cross experience in training canteen workers, FCDA requested help in preparing an emergency mass feeding course for civil defense uses. FCDA will use this course to train civil defense workers for enemy-caused emergencies; the Red Cross in training volunteers for mass feeding operations in natural disasters. Two pilot courses to test the soundness of course material were scheduled

for midsummer. With the advice and counsel of leaders in nursing, the Red Cross is preparing a new training course on care of the sick and injured for all civil defense auxiliary personnel working in medical care facilities.

Plans assigning to the Red Cross development of a national system for procurement of whole blood were completed by FCDA. In civil defense emergencies the Red Cross will direct the plan, under the supervision of the FCDA health office.

INTERNATIONAL COOPERATION

As one of the elements in the total program of national security, which includes defense alliances with friendly foreign nations, FCDA, under Public Law 920, has the authority to work closely with allied nations in developing civil defense systems.

FCDA is required, with the advice and guidance of the Department of State, to take part in deliberations of international civil defense and security organizations and exchange civil defense information with other free world nations.

A summary of the major activities and developments in civil defense international cooperation during the fiscal year follows.

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In 1955, the North Atlantic Council, recognizing the need for comprehensive survey and coordination of all phases of civil emer116

gency planning, created the Senior Civil Emergency Planning Committee.

The function of this committee is to advise the Council on civil emergency planning, and to provide guidance to all groups engaged in planning. The senior committee held two meetings during fiscal 1956. The meeting held in April 1956 was attended by the FCDA Administrator.

FCDA also serves on an interagency committee which was founded during the year to formulate policies for and provide guidance to the United States delegate to the Senior Civil Emergency Planning Committee. This committee is composed of representatives of the Departments of State and Defense, the International Cooperation Administration, and the Office of Defense Mobilization.

The NATO Civil Defense Committee, created in 1952, and composed of the civil defense directors of the NATO member nations. continued to concern itself during the year with the development of civil defense programs. This included promoting free exchange of civil defense information, developing civil defense agreements between nations, standardizing civil defense equipment and training, and furthering mutual support on an international basis.

This committee also established working groups to study technical problems involved in fire fighting, shelter, scientific matters, warning systems, mobile support columns, and the maintenance of public utilities.

The NATO Civil Defense Committee held two meetings during the year. The Administrator and his special advisor attended the meeting held in November 1955.

At the request of the Department of State, FCDA also sent representatives to a number of meetings of NATO working parties established by the Civil Defense Committee, including the working parties on firefighting, shelters, public utilities (gas, water, and electricity), and the scientific working party.

An FCDA representative will attend all future meetings of the working party on warnings.

In 1954, the North Atlantic Council created a medical committee to plan assessment of casualties, and to study stockpiling of medical material, export and import requirements, and war hospitalization facilities. This committee held two meetings which were attended by representatives of several United States Government agencies, including FCDA.

In view of its direct concern with many of the problems currently being considered by the medical committee, FCDA has been asked by the Department of State to continue its participation in the committee work, and to provide the United Approved Feet Release, 2003/07/29: CIA-RDP80B01676R001000030001-9

meeting scheduled in the fall of 1956.

In November 1955, the Senior Civil Defense Advisor for NATO, Sir John Hodsoll, visited the United States to confer with the Department of State on the coordination of NATO civil emergency planning. At the invitation of FCDA, he addressed meetings of the National Association of State Civil Defense Directors and the FCDA National Women's Advisory Committee.

Canada

Joint Canadian and United States civil defense matters are handled through the Joint United States-Canada Civil Defense Committee established on March 27, 1951. It was agreed then that, so far as possible, joint civil defense activities should be coordinated as if there were no border. The committee provides a nondiplomatic channel for communications, and enjoins the respective countries to provide a full and free flow of civil defense information to each other. It also authorizes direct cooperation between States and Provinces, and between border municipalities.

United States members include representatives of the Departments of Justice, State, and Treasury, in addition to the Federal Civil Defense Administrator and members of his staff. Canadian representatives are the Minister of the National Department of Health and Welfare, and his deputy, the Federal Coordinator, and officials of the Department of External Affairs, and the Canadian Joint Staff.

Day-to-day business of the committee is conducted through the joint secretariat and joint working groups set up to handle specific technical and professional problems.

Operating agreements have been made on most essential matters, and the current business of the committee is primarily coordination and consultation on problems of civil defense and their solution.

The full committee met in July 1955. The next meeting was set for October 18-19, 1956.

Canadian and United States civil defense staff colleges exchanged students and course material during the year. Conferences on a wide variety of subjects were attended by representatives from each country. Technical and professional papers of each country were submitted, when possible, for review by the staff of the other country, before publication.

Arrangements were completed for the loan of a 200-bed civil defense emergency hospital unit to Canada for training in casualty care. Other arrangements were made to make available to Canada pertain items of chemical and biological warfare defense for study.

Cooperation With Other Friendly Nations

During the fiscal year, FCDA broadened its program of exchanging information on civil defense with other friendly nations. FCDA's Staff College training facilities were made available to civil defense officers from other countries, including China (Formosa), Canada, Chile, Denmark, Egypt, Pakistan, Sweden, and Venezuela.

Basic information on the FCDA civil defense organization, unclassified results of the atomic test program, and many FCDA films and publications were furnished upon request to: Australia, Belgium, Brazil, Canada, Chile, Denmark, Egypt, Ecuador, France, (West) Germany, Great Britain, Honduras, India, Iran, Ireland, Italy, Japan, Lebanon, Malta, The Netherlands, Norway, Pakistan, Peru, the Philippines, Portugal, South Africa, Spain, Sweden, Switzerland, Uruguay, and Venezuela.

FCDA also established a program with friendly nations to exchange civil defense equipment for comparative testing.

The FCDA staff provided technical help and guidance to the civil defense director of Pakistan in preparing his country's national civil defense plan.

FCDA arranged for the civil defense directors of Denmark and Bombay, India, to visit several States and cities to study State and local civil defense organizations and operations.

During the year, the Commandant of the Australian Civil Defense School, the Civil Defense Director of the Australian State of New South Wales, a member of the Civil Defense Advisory Commission of Chile, the Civil Defense Directors of Denmark and Bombay, India, representatives of the Governments of China (Formosa), Egypt, Great Britain, and South Africa visited FCDA to study United States evacuation plans and the national civil defense program. All were given briefings on defense problems raised by thermonuclear weapons and FCDA measures devised to protect United States citizens against nuclear weapons and natural disasters.

In April 1956, Mr. R. C. Chilver, deputy secretary, Cabinet Office of the United Kingdom, visited the United States to discuss civil emergency planning with officials of the Department of State, the Office of Defense Mobilization, and FCDA. At the invitation of FCDA, Mr. Chilver addressed the annual meeting of the National Association of State and Territorial Civil Defense Directors.

tions of Denmark, The Netherlands, Sweden, and the United Kingdom, and met with civil defense and other government officials in those countries. The Special Advisor to the Administrator inspected civil defense in Denmark, Norway, Portugal, and Sweden. These visits and studies developed the following conclusions: Many European countries are taking a second civil in the concentration.

Many European countries are taking a new look at their civil defense plans and are revising them in light of nuclear warfare. Better balance between shelter and evacuation is being sought because of the danger of radioactive fallout from thermonuclear weapons.

Small European countries with little room for tactical or permanent dispersal are stressing deep public shelters as a major protection device.

There was a notable increase in the tendency of some countries to train specific civil defense forces, these to be organized as mobile columns or independent civil defense corps available exclusively for civil defense emergency duty.

In smaller countries, need for highly trained, well organized forces under control of the central government to back up local volunteer civil defense elements in areas of greatest need was indicated.

Great Britain devoted a great deal of study and conducted one exercise to test military support of civil authorities in event of nuclear attack.

Public participation in and governmental support of civil defense in many Western European countries are ahead of the United States.

Populations of several European countries voluntarily voted themselves a civil defense obligation under law, making it mandatory on everyone between the ages of 16 and 65 to take a prescribed number of hours of civil defense training each year.

Visits by FCDA Officials Abroad

FCDA officials attending NATO working Apaprovadations Release 2003/07/29: CIA-RDP80B01676R001000030001-9 rope during the year reviewed civil defense developments and conferred with officials in Belgium, France, Great Britain, and Sweden.

